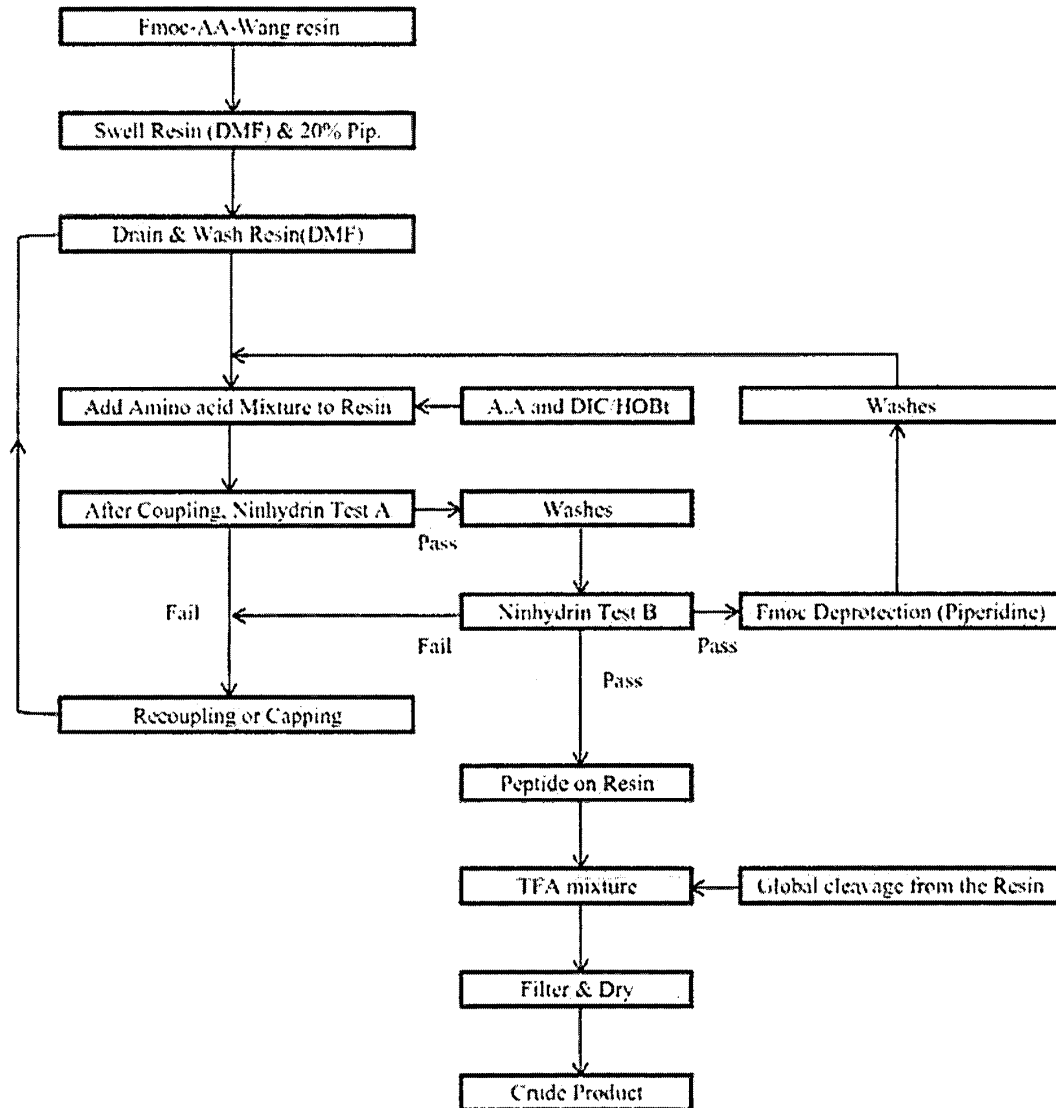


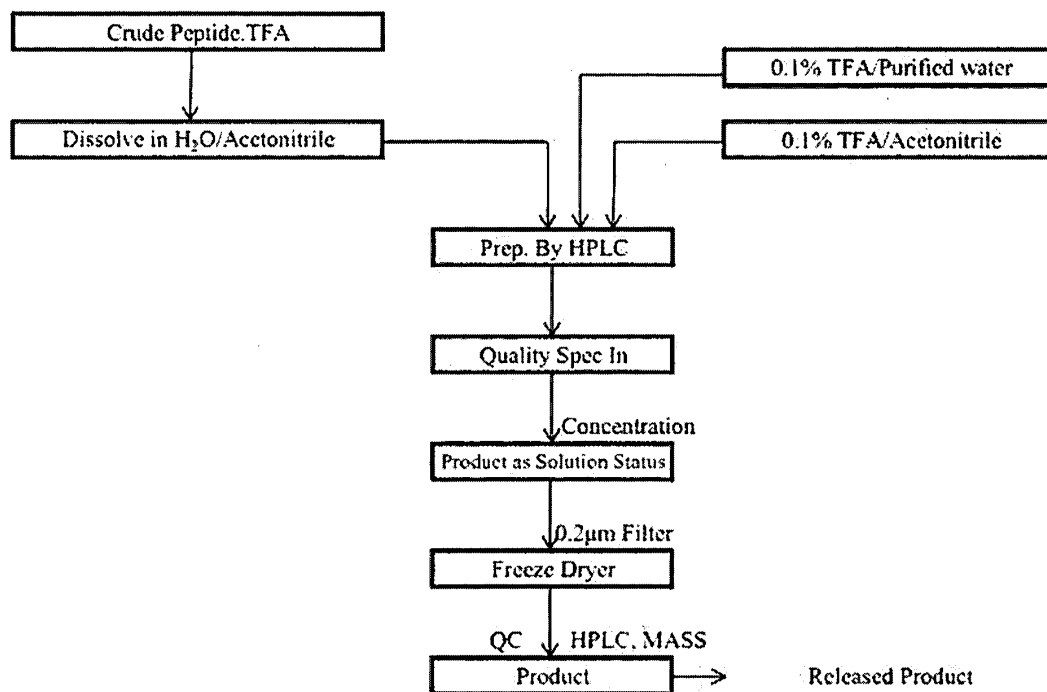
도 1

No.	Lot Number	Peptide Name	Sequence	M.W.	Purity (%)	Amount (mg)	Solubility (0.5mg/ml)
1	K161389	YDE-001	OGQEGLAGPK (O : Hydroxyproline)	969.1	>99.7%	5.0mg 10.0mg	Water
2	K161390	YDE-002	OGQNGLAGPK (O : Hydroxyproline)	954.0	>99.7%	5.0mg 10.0mg	Water
3	K161391	YDE-003	OGQQGLAGPK (O : Hydroxyproline)	968.1	>99.7%	5.0mg 10.0mg	Water
4	K161392	YDE-004	OGQHGLAGPK (O : Hydroxyproline)	977.1	>99.7%	5.0mg 10.0mg	Water
5	K161393	YDE-005	OGQKGLAGPK (O : Hydroxyproline)	968.1	>99.5%	5.0mg 10.0mg	Water
6	K161394	YDE-006	OGQSGLAGPK (O : Hydroxyproline)	927.0	>98.9%	5.0mg 10.0mg	Water
7	K161395	YDE-007	OGQTGLAGPK (O : Hydroxyproline)	941.0	>98.6%	5.0mg 10.0mg	Water
8	K161396	YDE-008	OGQAGLAGPK (O : Hydroxyproline)	911.0	>98.8%	5.0mg 10.0mg	Water
9	K161397	YDE-009	OGQVGLAGPK (O : Hydroxyproline)	939.1	>98.1%	5.0mg 10.0mg	Water
10	K161398	YDE-010	OGQIGLAGPK (O : Hydroxyproline)	953.1	>99.0%	5.0mg 10.0mg	Water
11	K161399	YDE-011	OGQLGLAGPK (O : Hydroxyproline)	953.1	>98.3%	5.0mg 10.0mg	Water
12	K161400	YDE-012	OGQFGLAGPK (O : Hydroxyproline)	987.1	>98.9%	5.0mg 10.0mg	Water
13	K161401	YDE-013	OGQYGLAGPK (O : Hydroxyproline)	1003.1	>98.7%	5.0mg 10.0mg	Water
14	K161402	YDE-014	OGQWGLAGPK (O : Hydroxyproline)	1026.2	>98.5%	5.0mg 10.0mg	Water
15	K161403	YDE-015	OGQDVLGAPK (O : Hydroxyproline)	997.1	>99.1%	5.0mg 10.0mg	Water
16	K161404	YDE-016	OGQDILAGPK (O : Hydroxyproline)	1011.1	>99.4%	5.0mg 10.0mg	Water
17	K161405	YDE-017	OGQDLLAGPK (O : Hydroxyproline)	1011.1	>98.0%	5.0mg 10.0mg	Water
18	K161406	YDE-018	OGQDALAGPK (O : Hydroxyproline)	969.1	>99.6%	5.0mg 10.0mg	Water
19	K161407	YDE-019	OGQDFLAGPK (O : Hydroxyproline)	1045.2	>99.6%	5.0mg 10.0mg	Water
20	K161408	YDE-020	OGQDYLAGPK (O : Hydroxyproline)	1061.2	>99.2%	5.0mg 10.0mg	Water
21	K161409	YDE-021	OGQDWLAGPK (O : Hydroxyproline)	1084.2	>98.1%	5.0mg 10.0mg	Water
22	K161410	YDE-022	OGQDHLGAPK (O : Hydroxyproline)	1035.1	>98.3%	5.0mg 10.0mg	Water
23	K161411	YDE-023	OGQDSLAPK (O : Hydroxyproline)	985.1	>96.1%	5.0mg 10.0mg	Water
24	K161412	YDE-024	OGQDTLAGPK (O : Hydroxyproline)	999.1	>98.9%	5.0mg 10.0mg	Water
25	K161413	YDE-025	OGQD-Sar-LAGPK (Sar : me-Gly) (O : Hydroxyproline)	969.1	>95%	5.0mg 10.0mg	Water
26	K161414	YDE-026	OGQS*GLAGPK (S* : homo-Ser) (O : Hydroxyproline)	941.1	>95%	5.0mg 10.0mg	Water
27	K161415	YDE-027	OGQD*GLAGPK (D* : D(OMe)) (O : Hydroxyproline)	969.1	>95%	5.0mg 10.0mg	Water
28	K161416	YDE-028	OGQN*GLAGPK (N* : N(NMe)) (O : Hydroxyproline)	968.1	>95%	5.0mg 10.0mg	Water

도 2



도 3

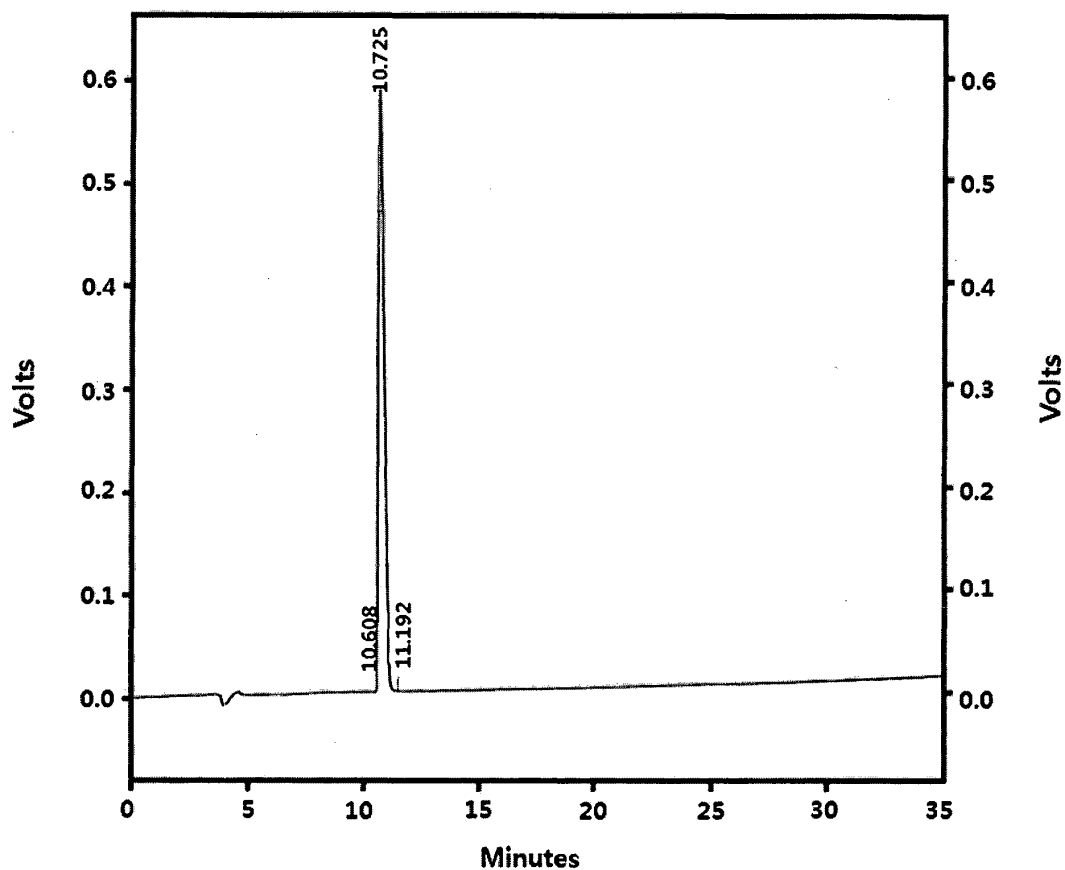


도 4

Shimadzu CLASS-VP V6.14 SP1 manual

Area % Report

Sample ID : K161389 (YDE-001)



Detector A

(230nm)

Pk #	Retention Time	Area	Area %
1	10.608	783	0.008
2	10.725	10120624	99.730
3	11.192	26596	0.262
Totals		10148003	100.000

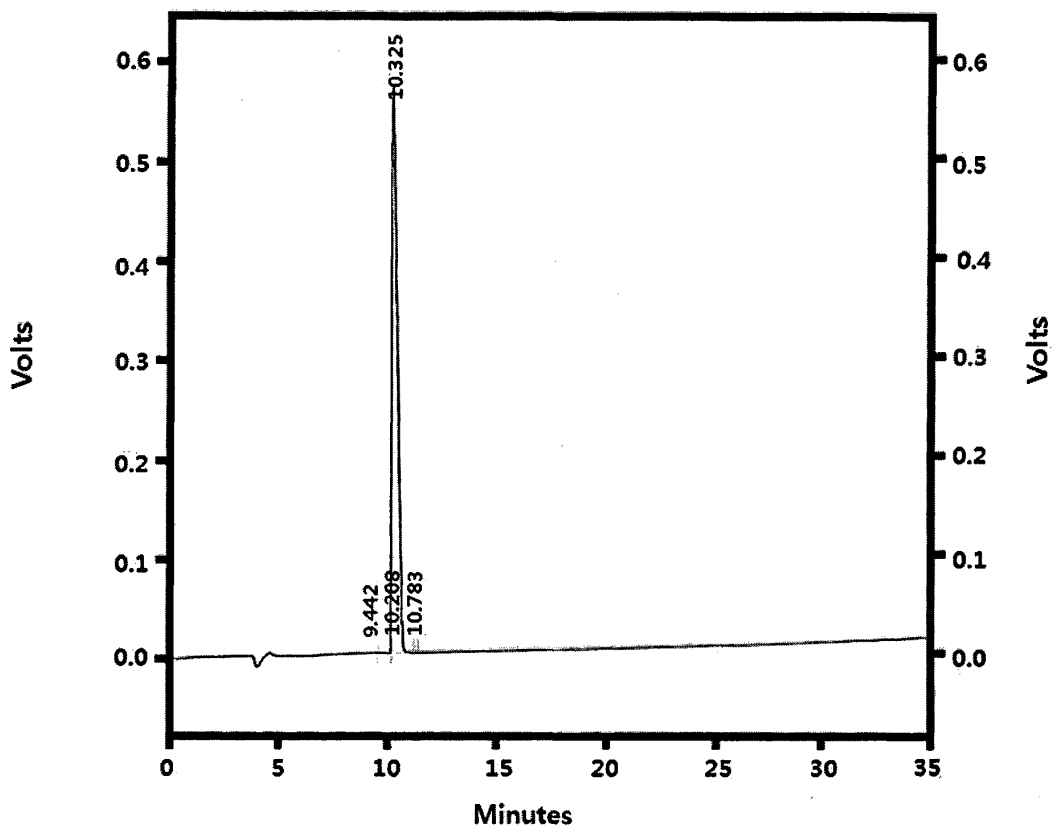
RECTIFIED SHEET (RULE 91) ISA/KR

도 5

Shimadzu CLASS-VP V6.14 SP1 manual

Area % Report

Sample ID : K161390 (YDE-002)



Detector A

(230nm)	Pk #	Retention Time	Area	Area %
	1	9.442	290	0.003
	2	10.208	456	0.005
	3	10.325	9921099	99.715
	4	10.783	27655	0.278
Totals			9949500	100.000

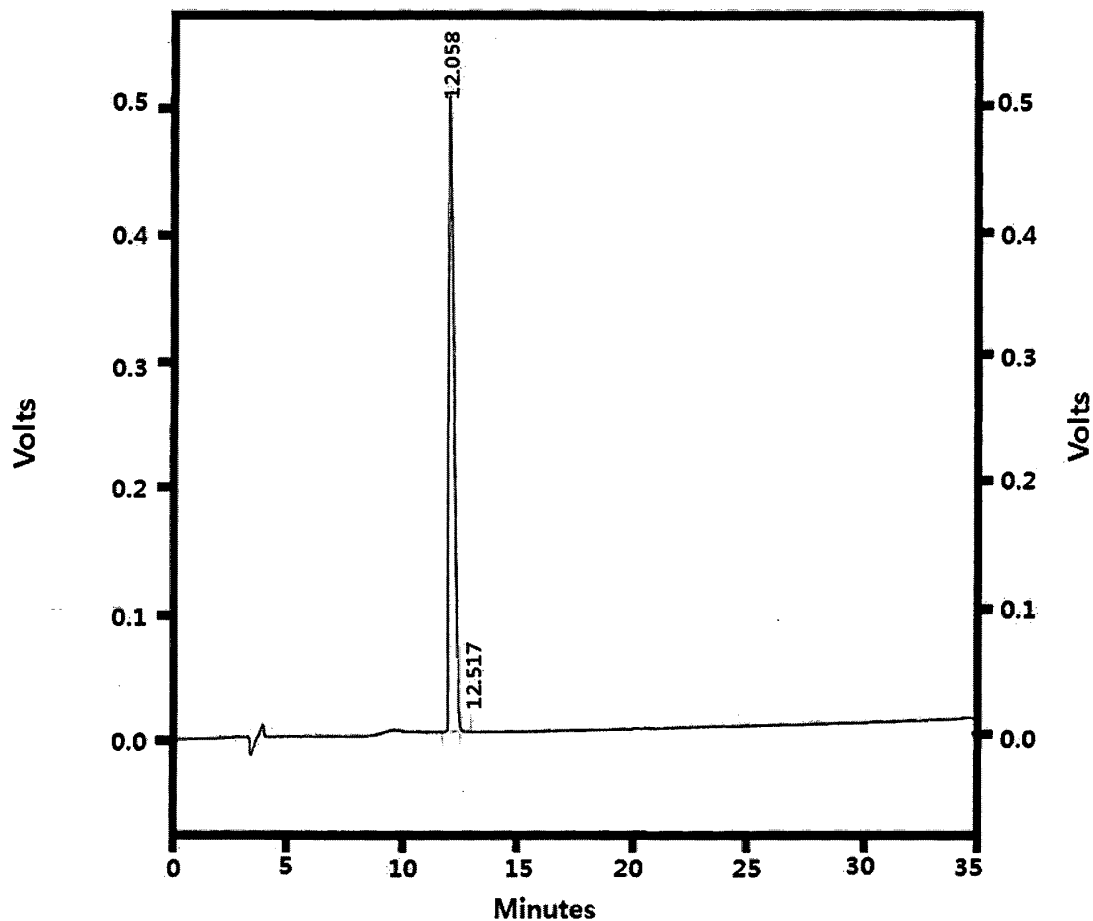
RECTIFIED SHEET (RULE 91) ISA/KR

도 6

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161391 (YDE-003)



Detector A

(230nm)

Pk #	Retention Time	Area	Area %
1	12.058	7863599	99.774
2	12.517	17816	0.226
Totals		7881415	100.000

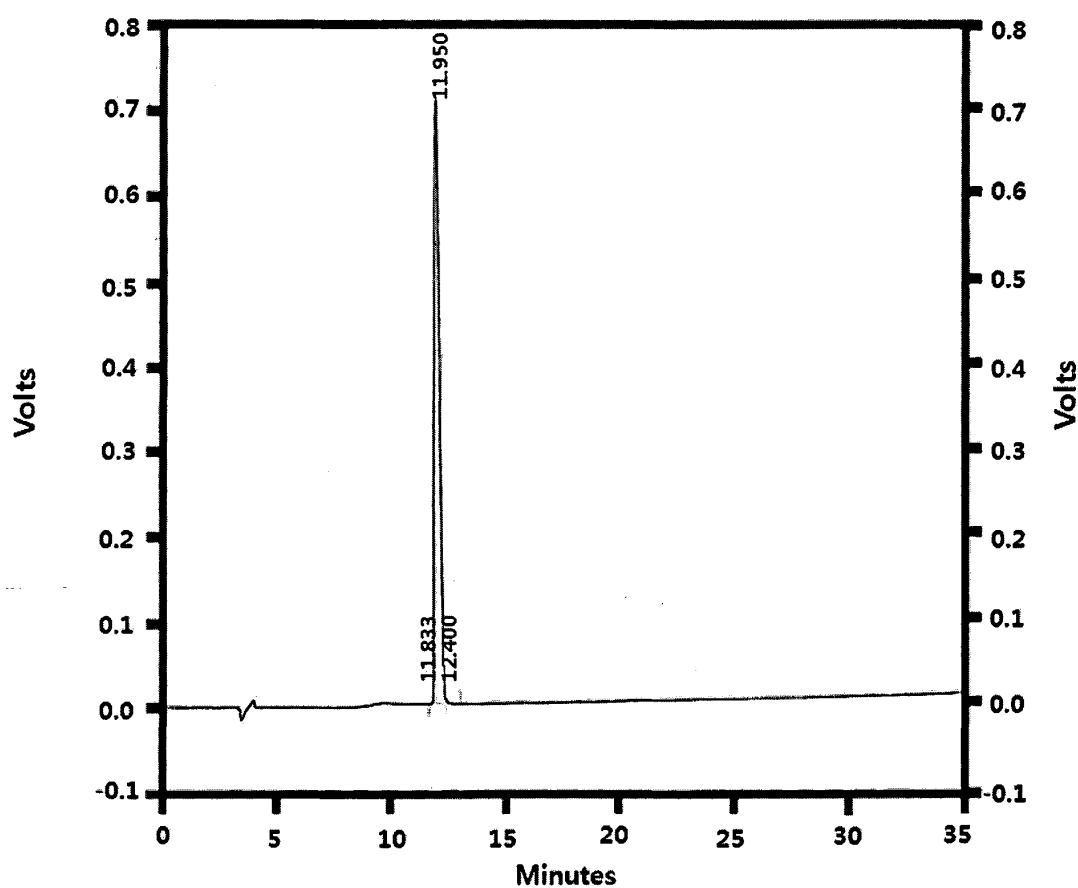
RECTIFIED SHEET (RULE 91) ISA/KR

도 7

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161392 (YDE-004)



Detector A

(230nm)

Pk #	Retention Time	Area	Area %
1	11.833	4175	0.038
2	11.950	10864330	99.735
3	12.400	24696	0.227
Totals		10893201	100.000

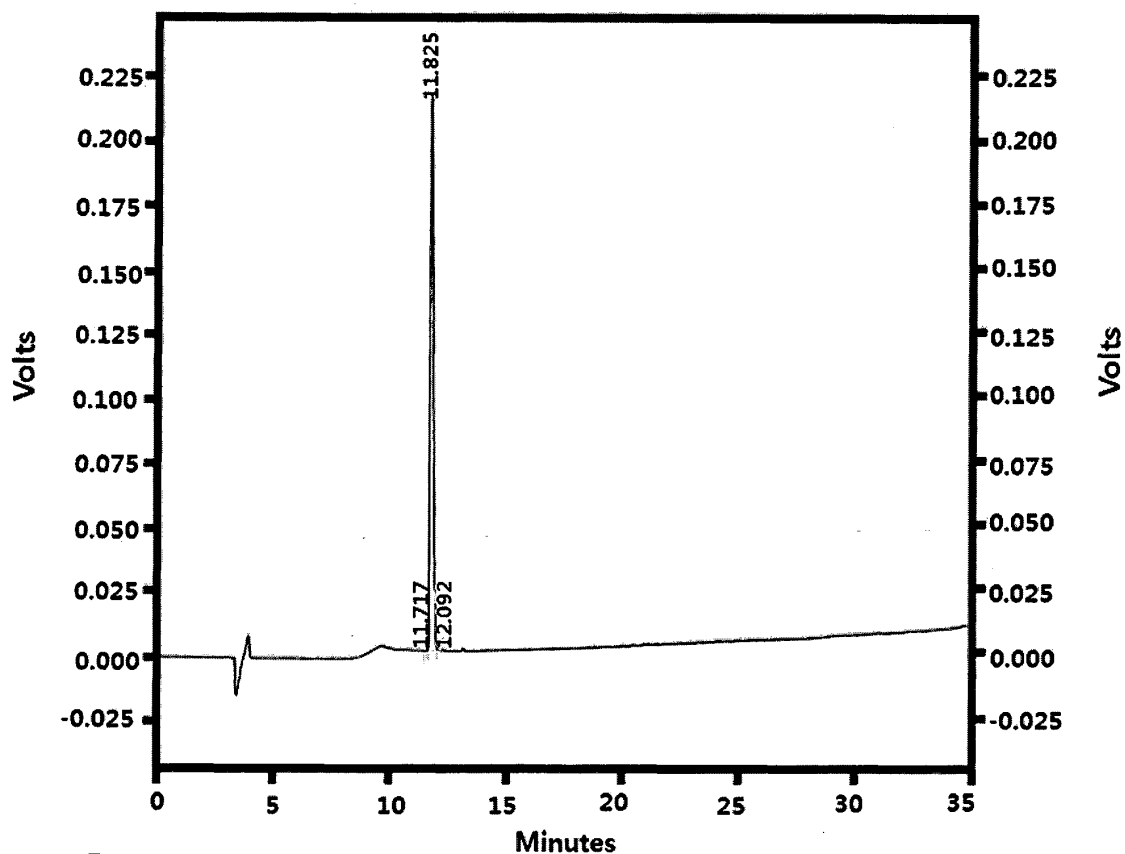
RECTIFIED SHEET (RULE 91) ISA/KR

도 8

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161393 (YDE-005)

Detector A
(230nm)

Pk #	Retention Time	Area	Area %
1	11.717	2003	0.102
2	11.825	1950157	99.552
3	12.092	6778	0.346
Totals		1958938	100.000

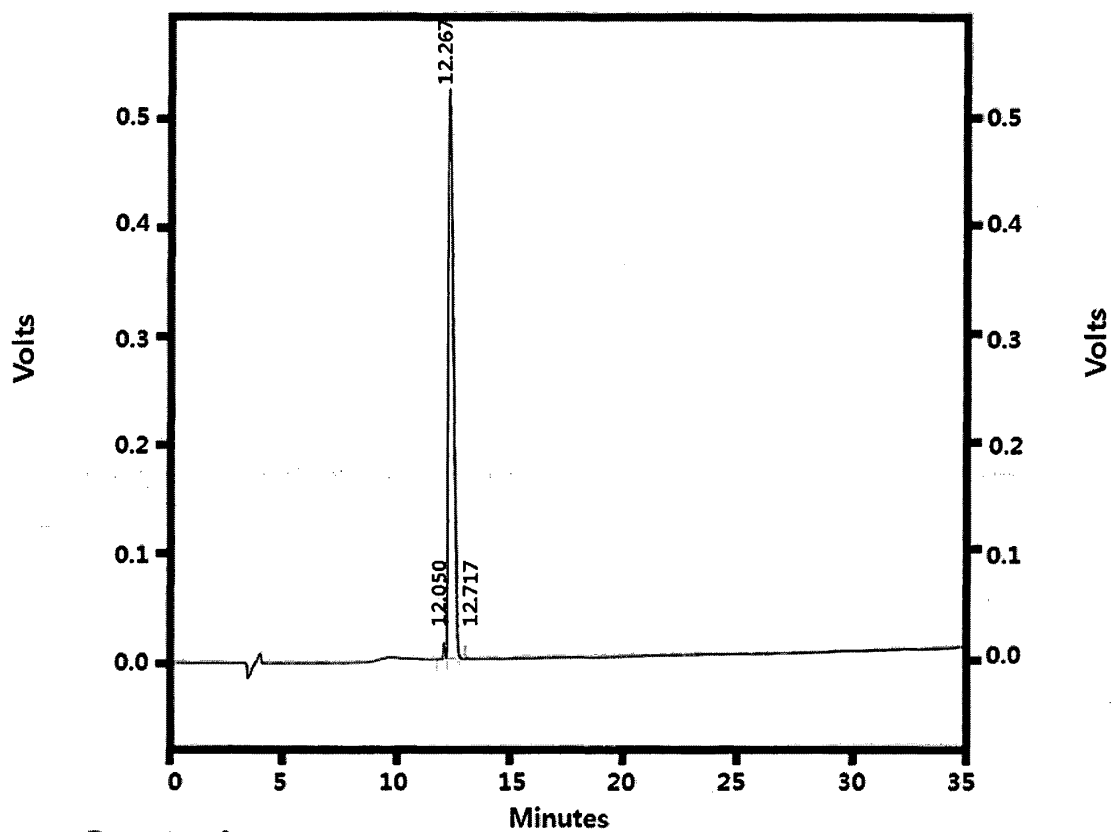
RECTIFIED SHEET (RULE 91) ISA/KR

도 9

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161394 (YDE-006)



Detector A

(230nm)

Pk #	Retention Time	Area	Area %
1	12.050	78741	0.961
2	12.267	8100790	98.903
3	12.717	11116	0.136
Totals		8190647	100.000

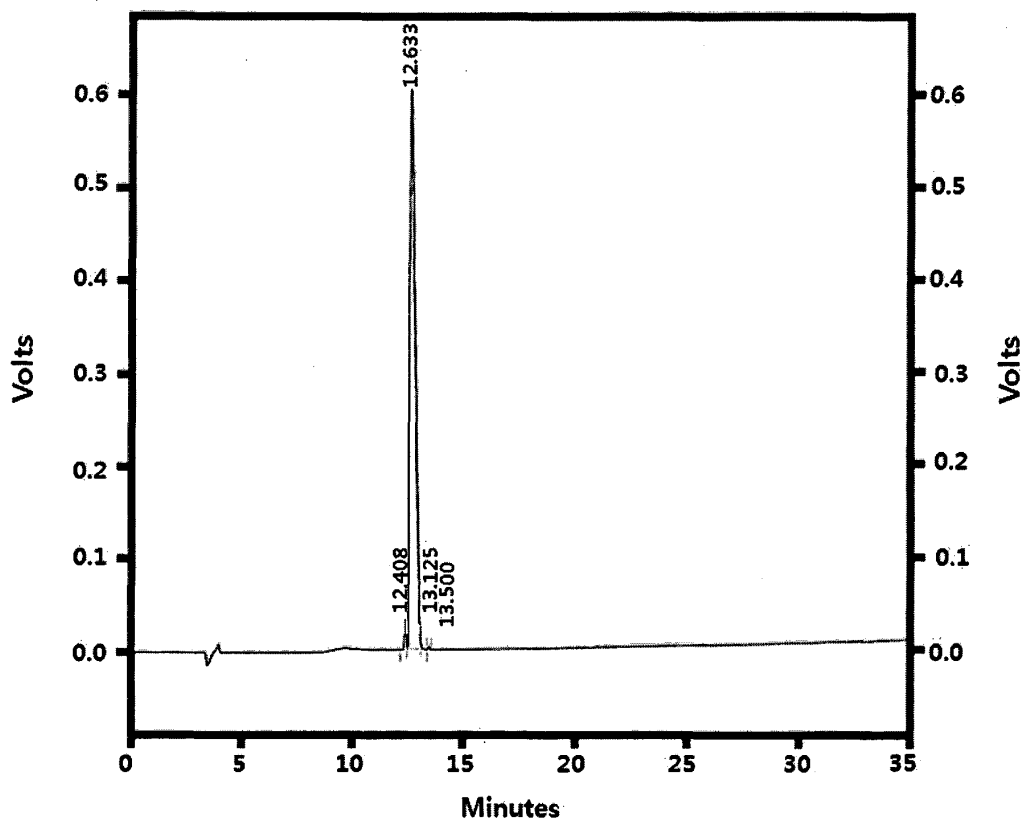
RECTIFIED SHEET (RULE 91) ISA/KR

도 10

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161395 (YDE-007)



Detector A

(230nm) Pk #	Retention Time	Area	Area %
1	12.408	171422	1.618
2	12.633	10390868	98.067
3	13.125	18102	0.171
4	13.500	15280	0.144
Totals		10595672	100.000

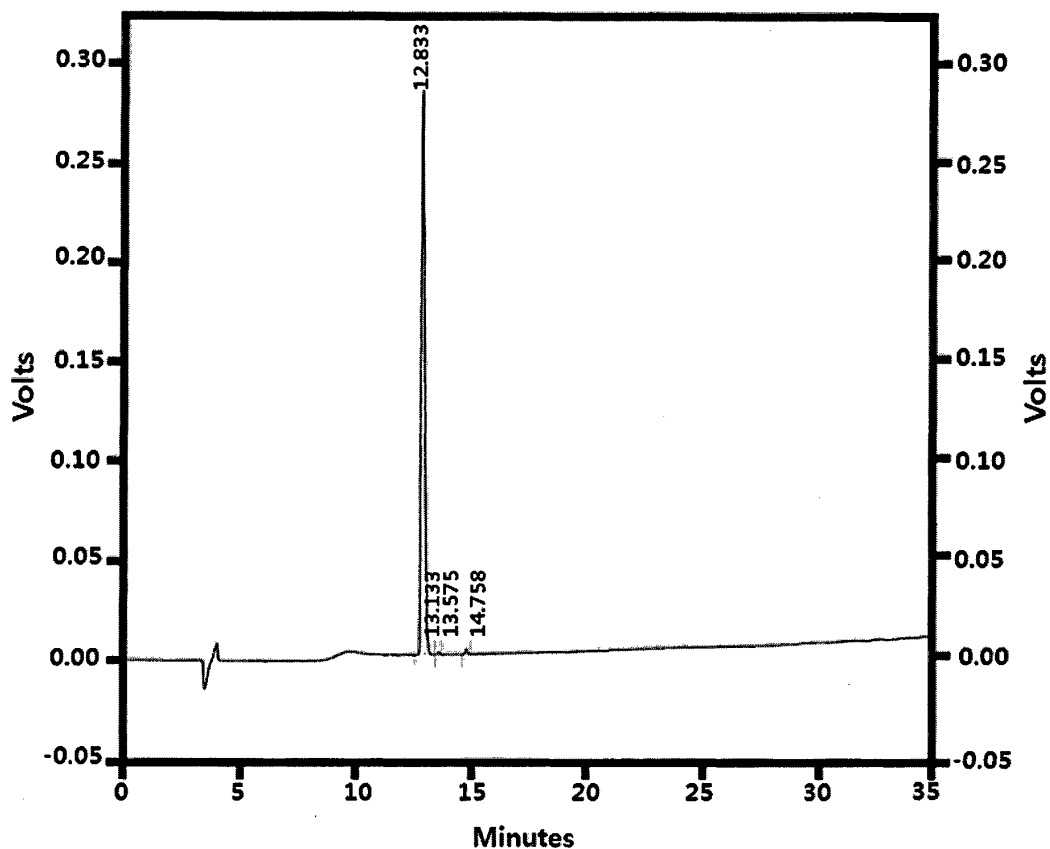
RECTIFIED SHEET (RULE 91) ISA/KR

도 11

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161396 (YDE-008)



Detector A		Retention Time	Area	Area %
(230nm)	Pk #			
	1	12.833	2920911	98.891
	2	13.133	11156	0.378
	3	13.575	6889	0.233
	4	14.758	14724	0.498
Totals			2953680	100.000

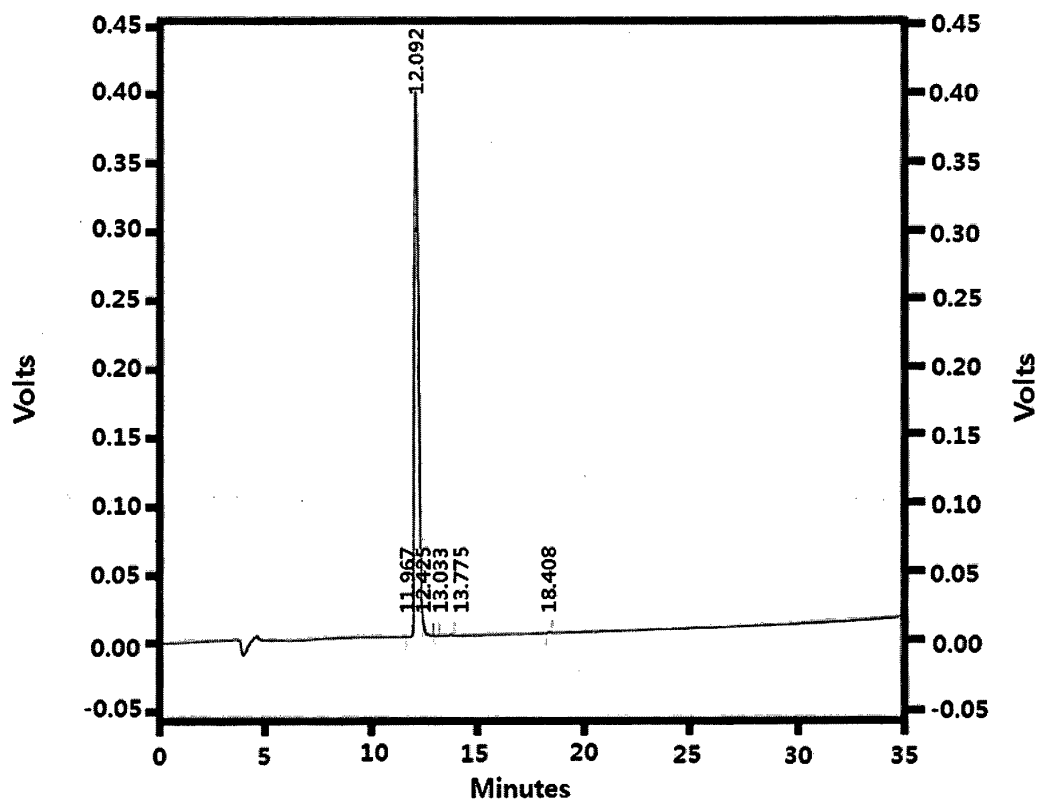
RECTIFIED SHEET (RULE 91) ISA/KR

도 12

Shimadzu CLASS-VP V6.14 SP1 manual

Area % Report

Sample ID : K161397 (YDE-009)



Detector A

(230nm) Pk #

Retention Time	Area	Area %
11.967	1118	0.020
12.092	5394758	98.184
12.425	87049	1.584
13.033	706	0.013
13.775	5416	0.099
18.408	5476	0.100
Totals	5494523	100.000

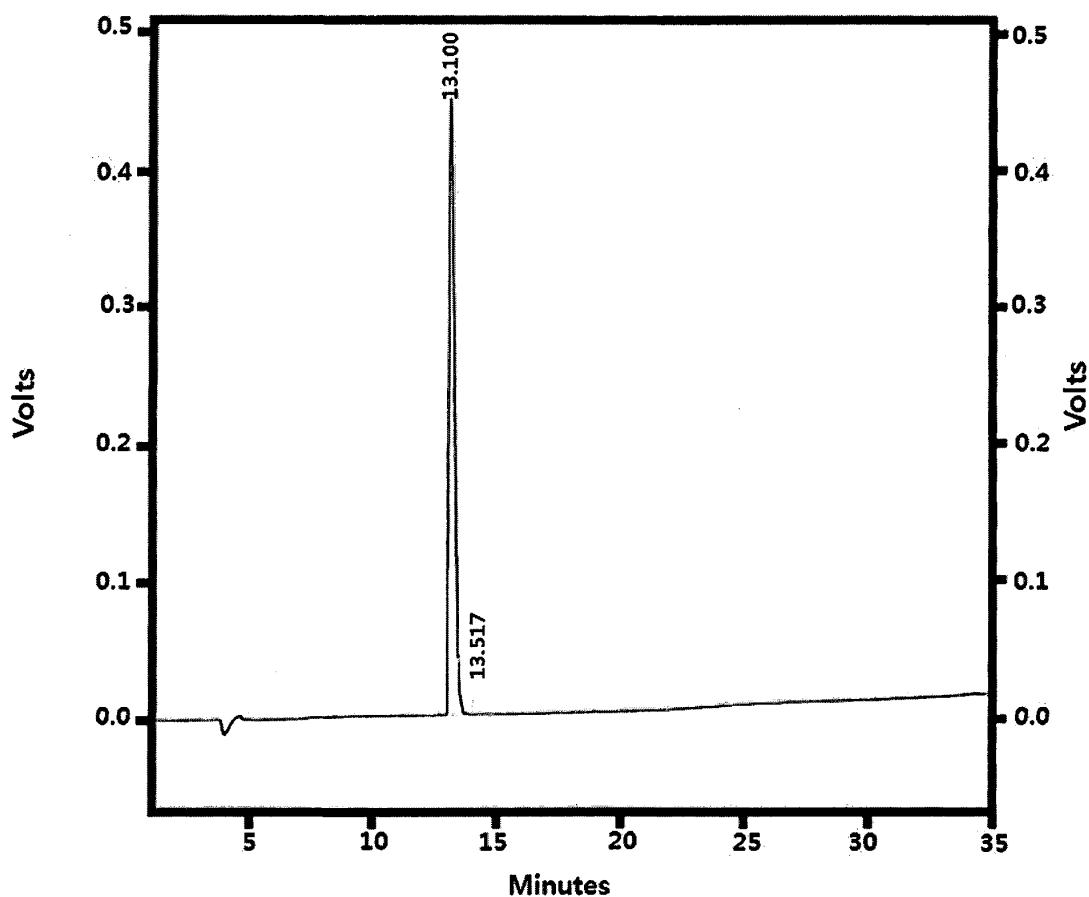
RECTIFIED SHEET (RULE 91) ISA/KR

도 13

Shimadzu CLASS-VP V6.14 SP1 MANUAL

Area % Report

Sample ID : K161398 (YDE-010)



Detector A (230nm)		Pk #	Retention Time	Area	Area %
		1	13.100	6966383	99.047
		2	13.517	67028	0.953
Totals				7033411	100.000

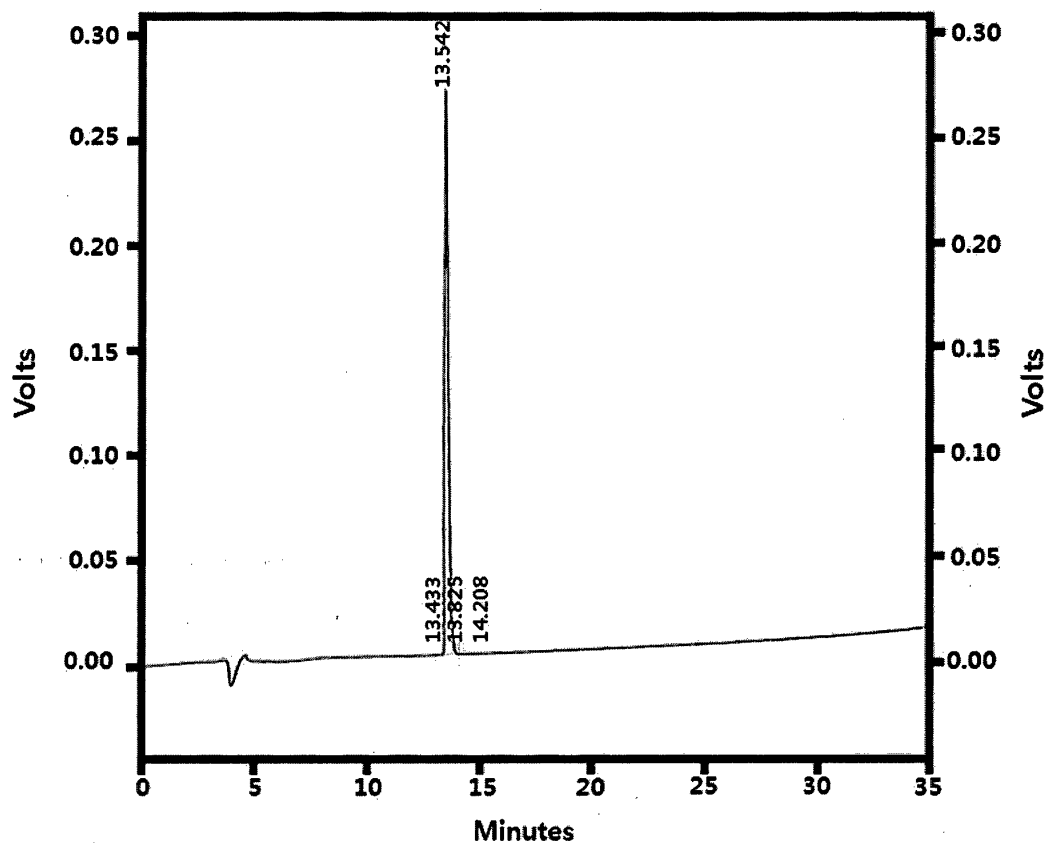
RECTIFIED SHEET (RULE 91) ISA/KR

도 14

Shimadzu CLASS-VP V6.14 SP1 manual

Area % Report

Sample ID : K161399 (YDE-011)



Detector A

(230nm) Pk # Retention Time Area Area %

1	13.433	857	0.027
2	13.542	3082773	98.389
3	13.825	48609	1.551
4	14.208	1010	0.032

Totals		3133249	100.000
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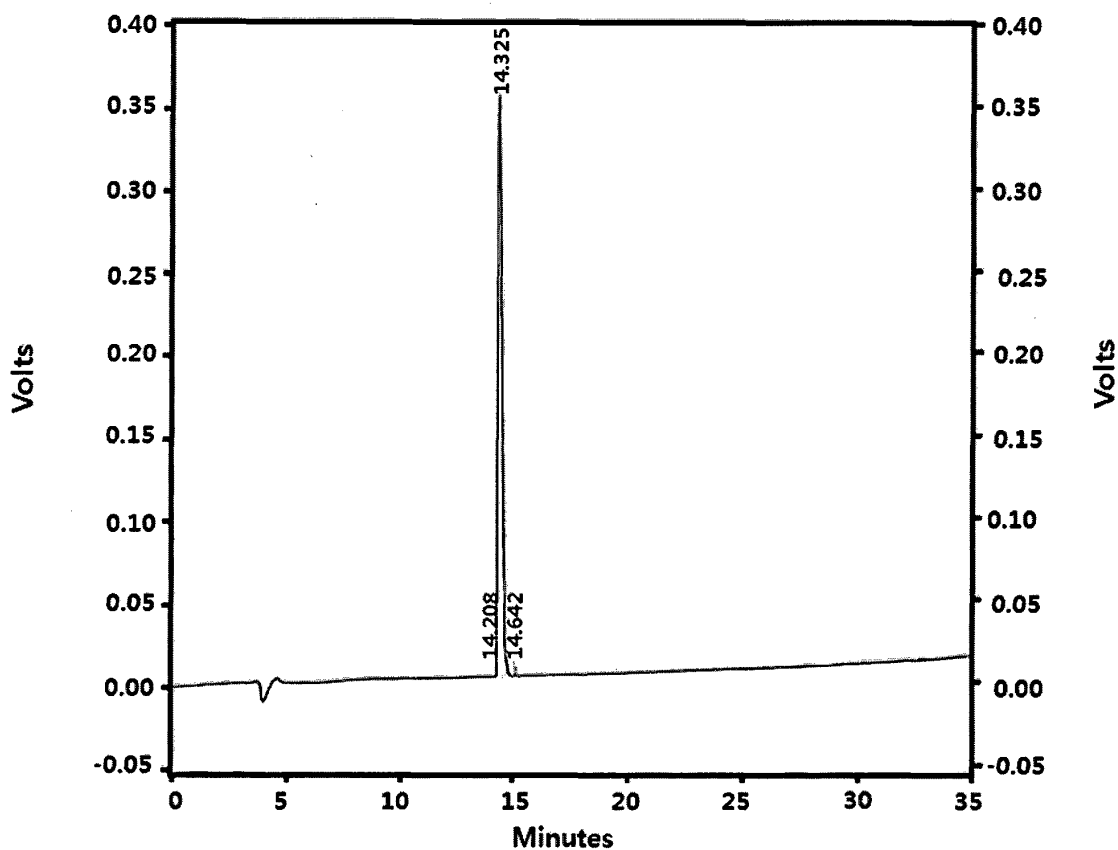
RECTIFIED SHEET (RULE 91) ISA/KR

도 15

Shimadzu CLASS-VP V6.14 SP1 manual

Area % Report

Sample ID : K161400 (YDE-012)



Detector A

(230nm)

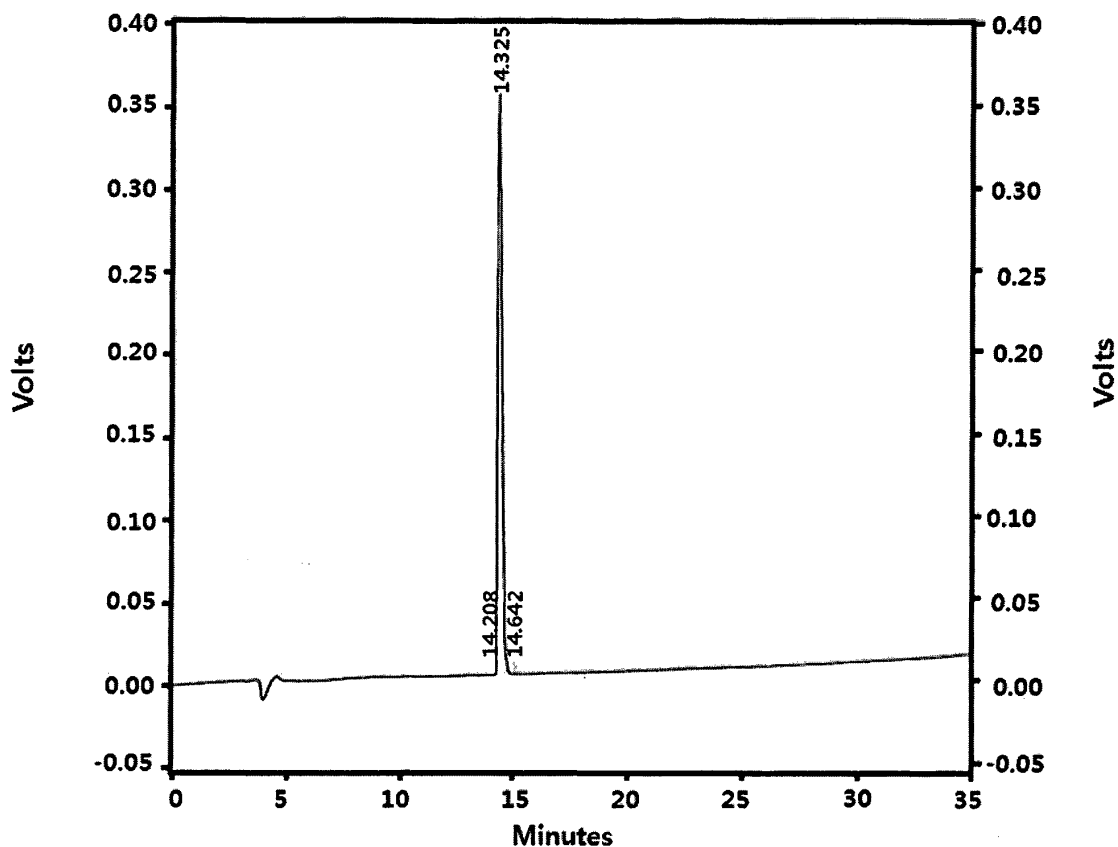
Pk #	Retention Time	Area	Area %
1	14.208	534	0.012
2	14.325	4465205	98.962
3	14.642	46297	1.026
Totals		4512036	100.000

도 16

Shimadzu CLASS-VP V6.14 SP1 manual

Area % Report

Sample ID : K161400 (YDE-012)



Detector A

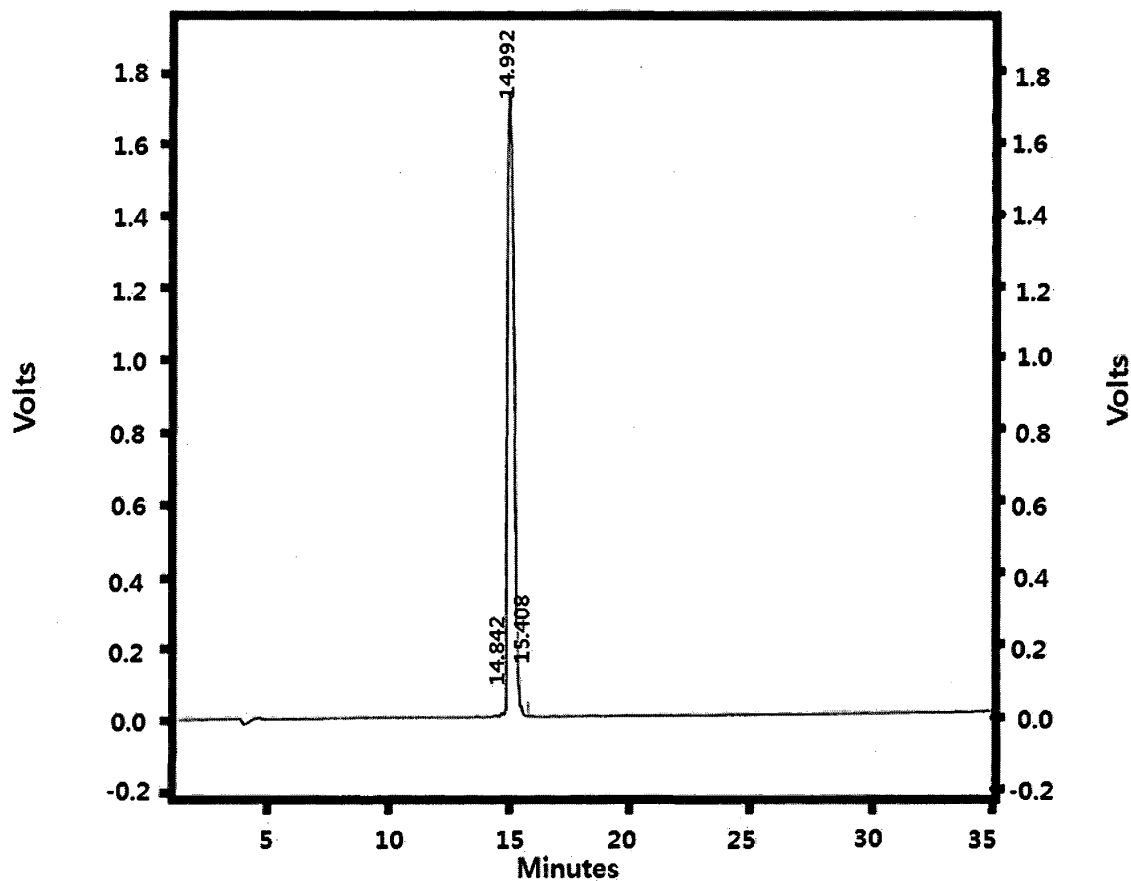
(230nm)

Pk #	Retention Time	Area	Area %
1	14.208	534	0.012
2	14.325	4465205	98.962
3	14.642	46297	1.026
Totals		4512036	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

도 17

Sample ID : K161402 (YDE-014)



Detector A				
(230nm)	Pk #	Retention Time	Area	Area %
	1	14.842	78055	0.241
	2	14.992	31942847	98.537
	3	15.408	396165	1.222
Totals			32417067	100.000

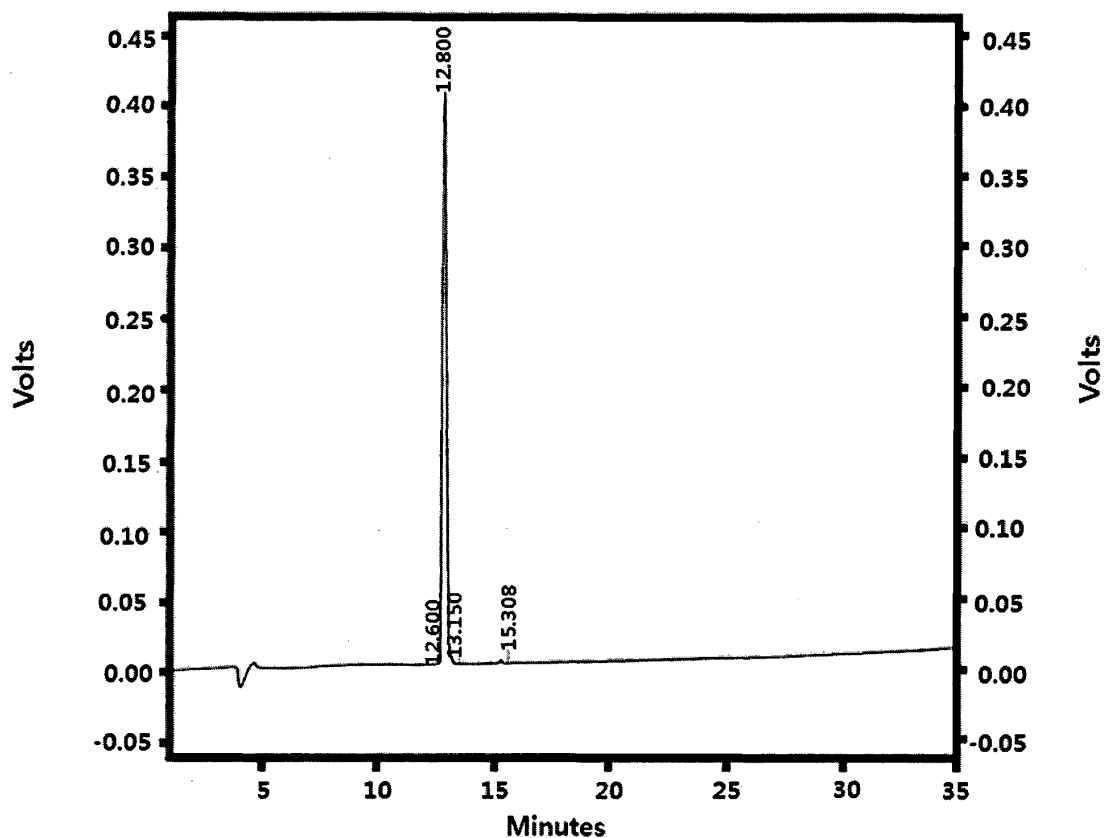
RECTIFIED SHEET (RULE 91) ISA/KR

도 18

Shimadzu CLASS-VP V6.14 SP1 MANUAL

Area % Report

Sample ID : K161403 (YDE-015)



Detector A

(230nm)

Pk #	Retention Time	Area	Area %
1	12.600	3628	0.074
2	12.800	4859852	99.167
3	13.150	23016	0.470
4	15.308	14170	0.289
Totals		4900666	100.000

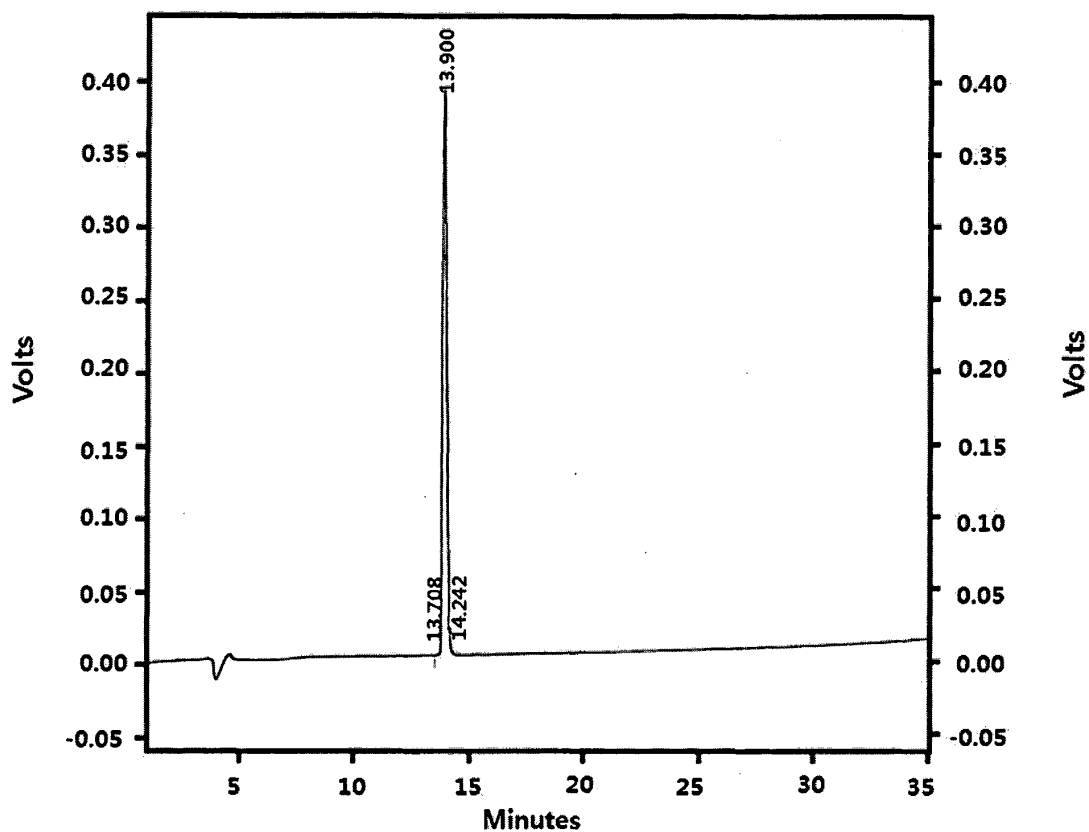
RECTIFIED SHEET (RULE 91) ISA/KR

도 19

Shimadzu CLASS-VP V6.14 SP1 MANUAL

Area % Report

Sample ID : K161404 (YDE-016)



Detector A (230nm)				
Pk #	Retention Time	Area	Area %	
1	13.708	6002	0.126	
2	13.900	4752700	99.407	
3	14.242	22362	0.468	
Totals		4781064	100.000	

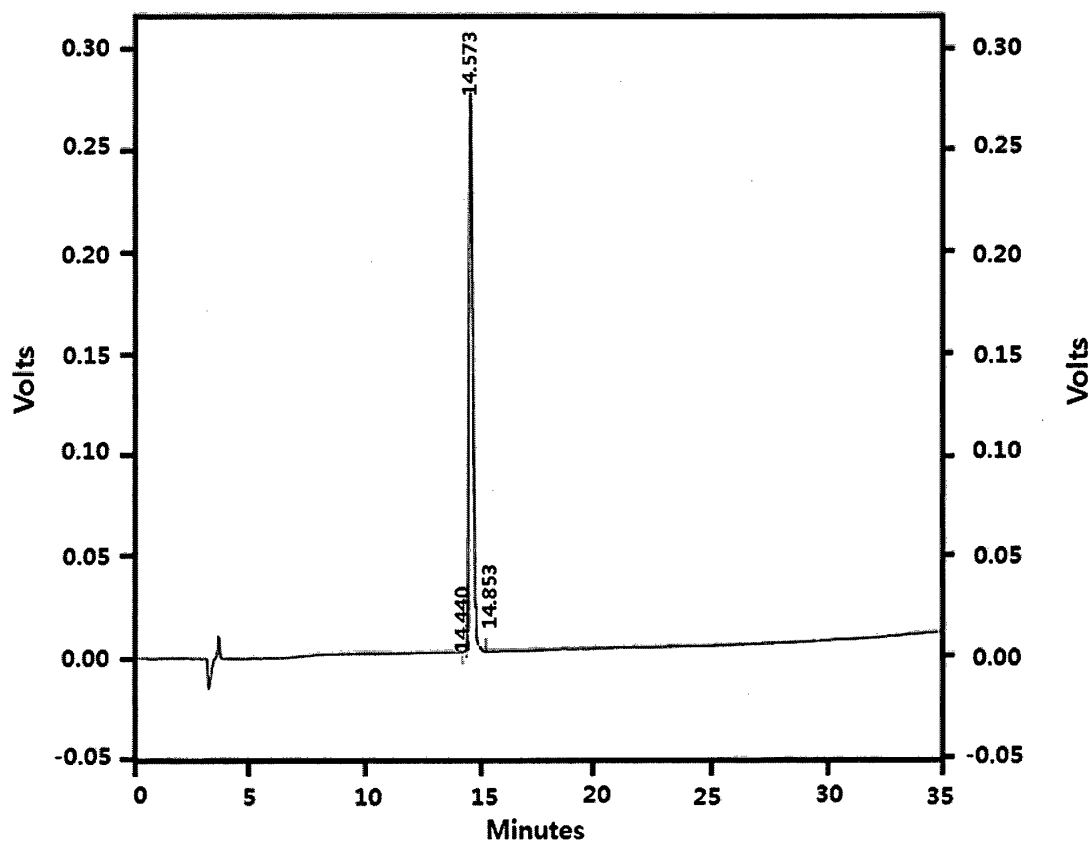
RECTIFIED SHEET (RULE 91) ISA/KR

도 20

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161405 (YDE-017)



Detector A (230nm)				
Pk #	Retention Time	Area	Area %	
1	14.440	5413	0.163	
2	14.573	3259531	98.058	
3	14.853	59145	1.779	
Totals		3324089	100.000	

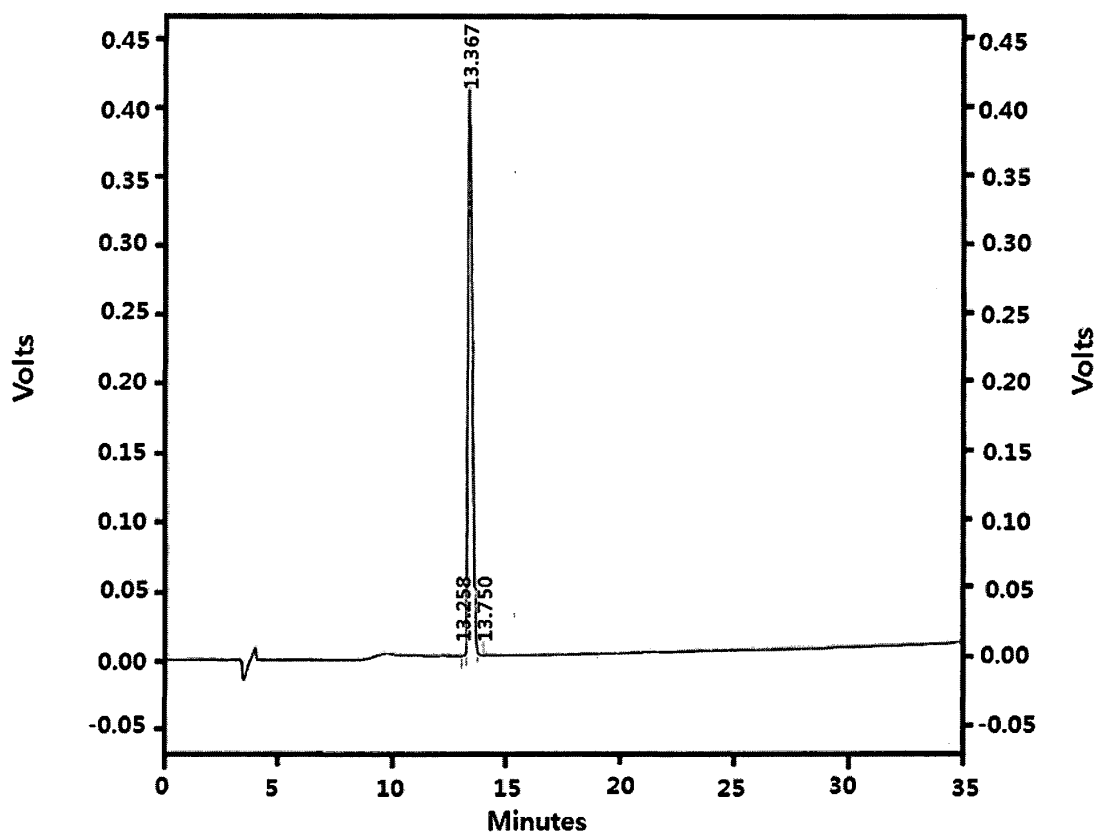
RECTIFIED SHEET (RULE 91) ISA/KR

도 21

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161406 (YDE-018)



Detector A				
(230nm)	Pk #	Retention Time	Area	Area %
	1	13.258	4690	0.089
	2	13.367	5263105	99.679
	3	13.750	12277	0.233
Totals			5280072	100.000

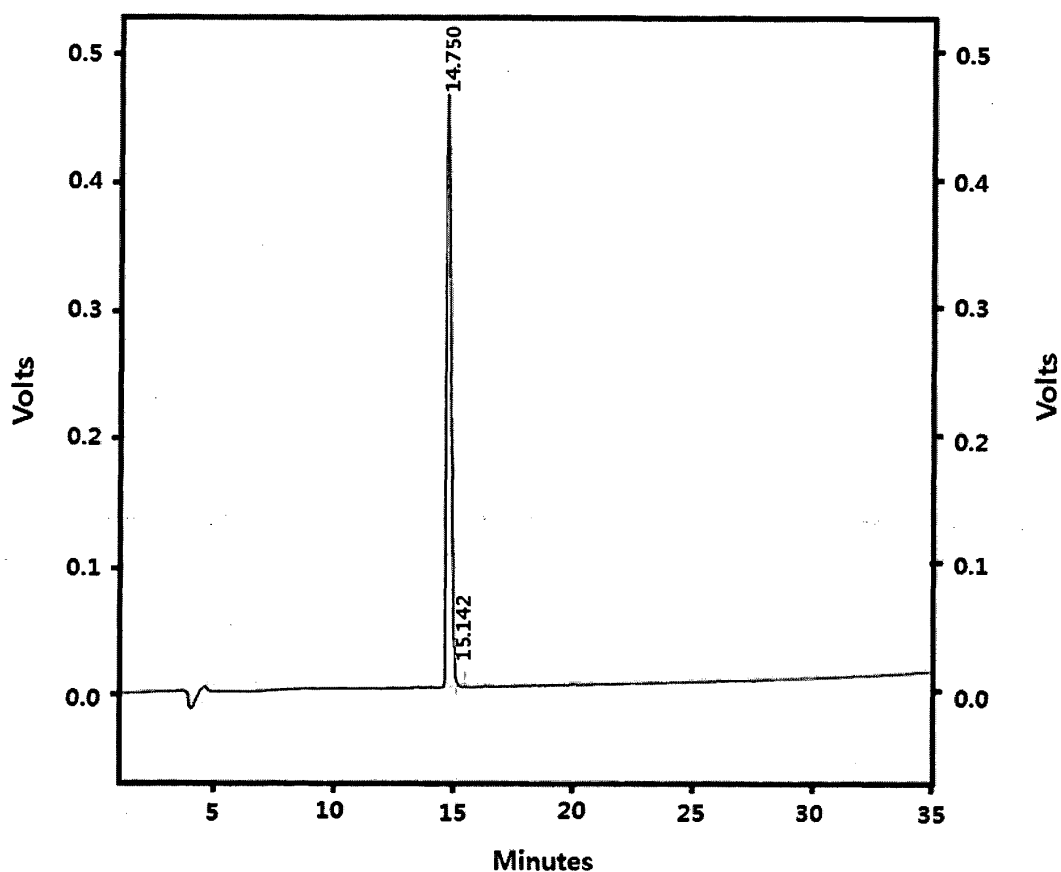
RECTIFIED SHEET (RULE 91) ISA/KR

도 22

Shimadzu CLASS-VP V6.14 SP1 MANUAL

Area % Report

Sample ID : K161407 (YDE-019)



Detector A (230nm)				
Pk #	Retention Time	Area	Area %	
1	14.750	6335299	99.670	
2	15.142	20958	0.330	
Totals		6356257	100.000	

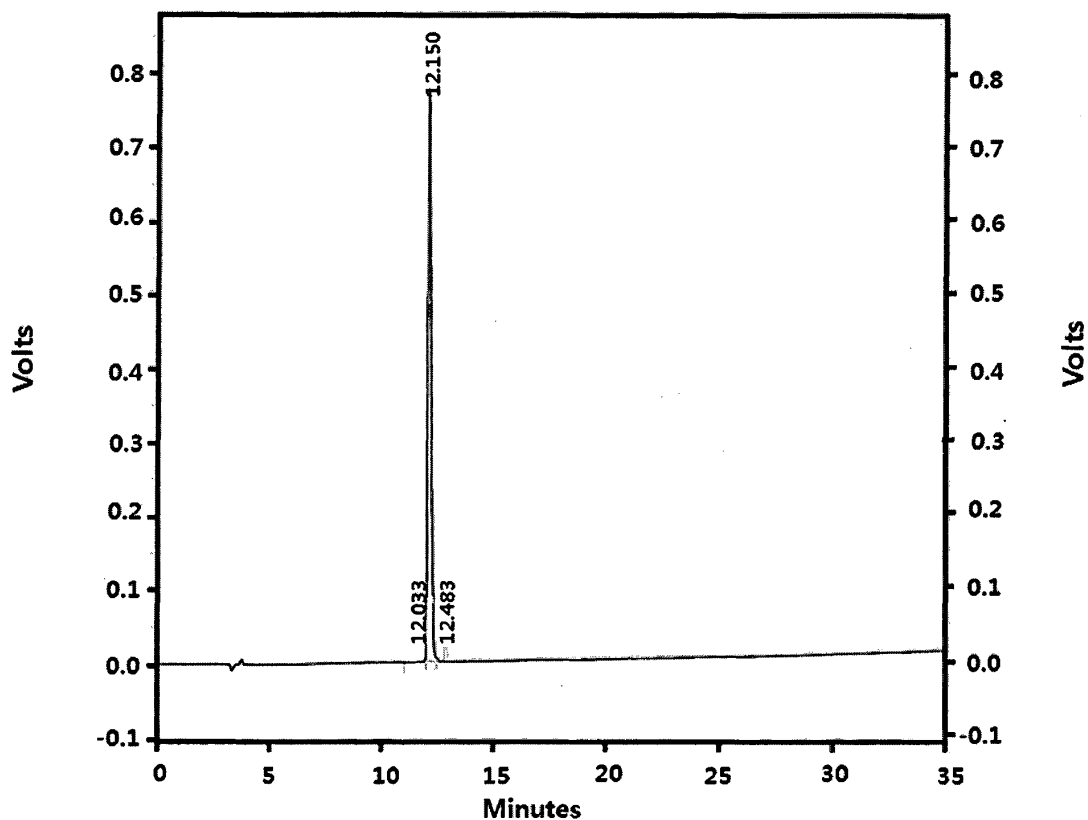
RECTIFIED SHEET (RULE 91) ISA/KR

도 23

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161408 (YDE-020)



Detector A				
(230nm)	Pk #	Retention Time	Area	Area %
	1	12.033	23465	0.300
	2	12.150	7757581	99.214
	3	12.483	38002	0.486
Totals			7819048	100.000

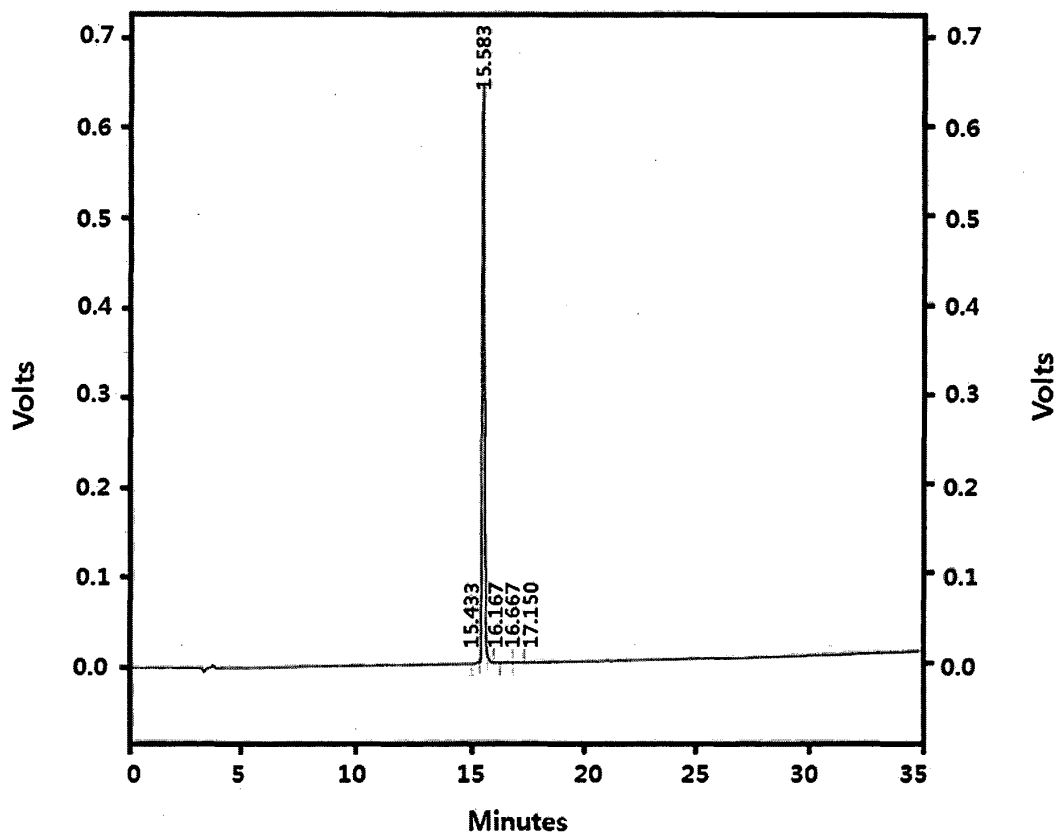
RECTIFIED SHEET (RULE 91) ISA/KR

도 24

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161409 (YDE-021)



Detector A

(230nm) Pk #	Retention Time	Area	Area %
1	15.433	12207	0.250
2	15.583	4793036	98.162
3	16.167	61475	1.259
4	16.667	8052	0.165
5	17.150	8010	0.164
Totals		4882780	100.000

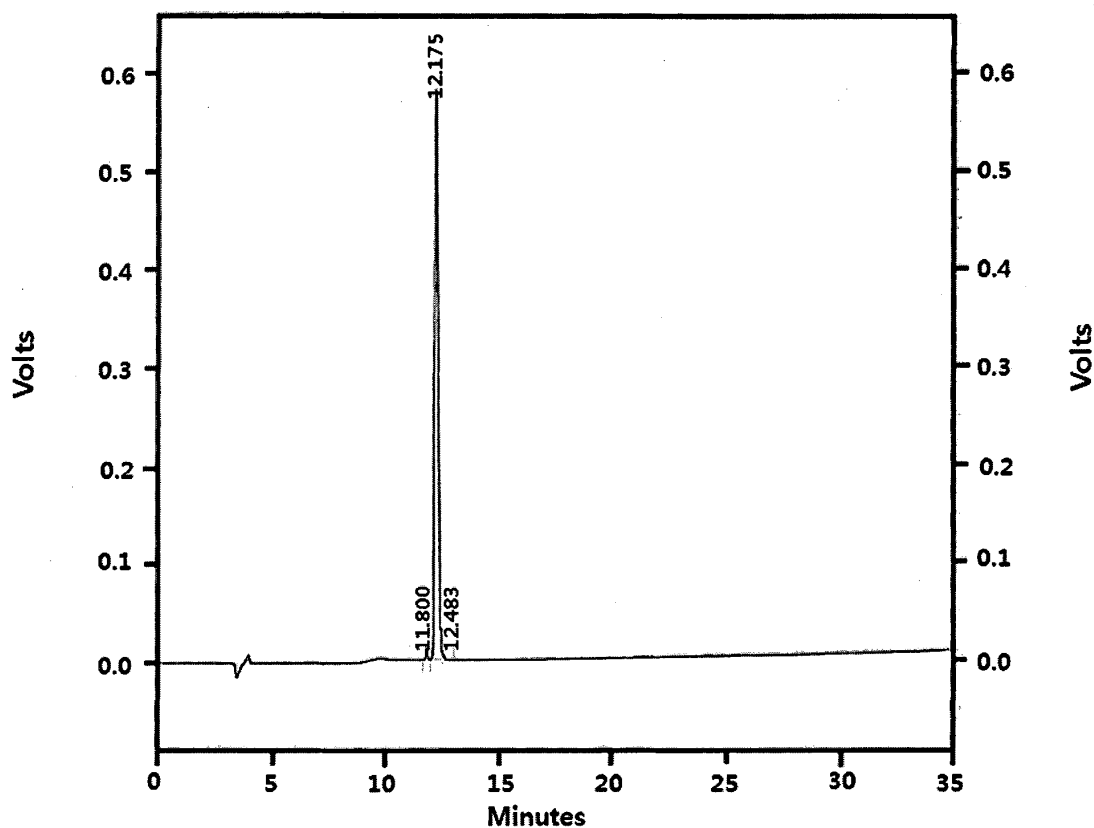
RECTIFIED SHEET (RULE 91) ISA/KR

도 25

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161410 (YDE-022)



Detector A				
(230nm)				
Pk #	Retention Time	Area	Area %	
1	11.800	67819	1.041	
2	12.175	6405639	98.306	
3	12.483	42551	0.653	
Totals		6516009	100.000	

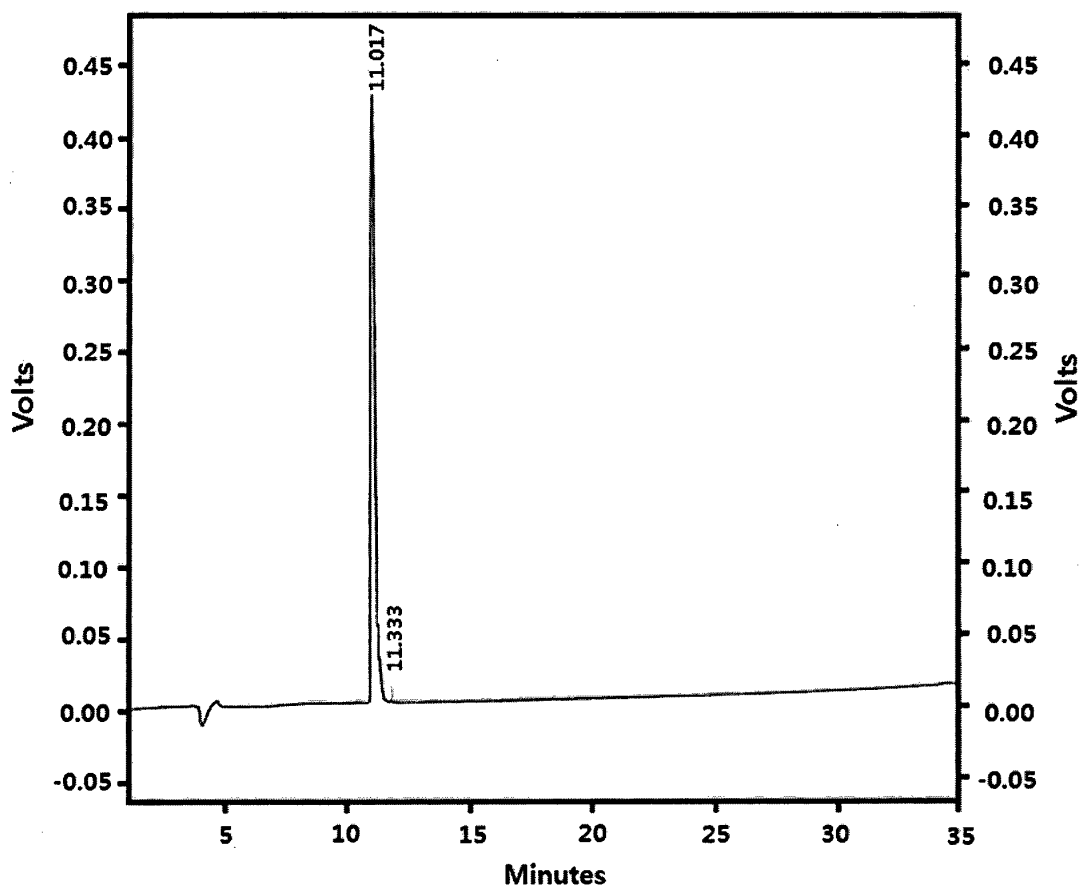
RECTIFIED SHEET (RULE 91) ISA/KR

도 26

Shimadzu CLASS-VP V6.14 SP1 MANUAL

Area % Report

Sample ID : K161411 (YDE-023)



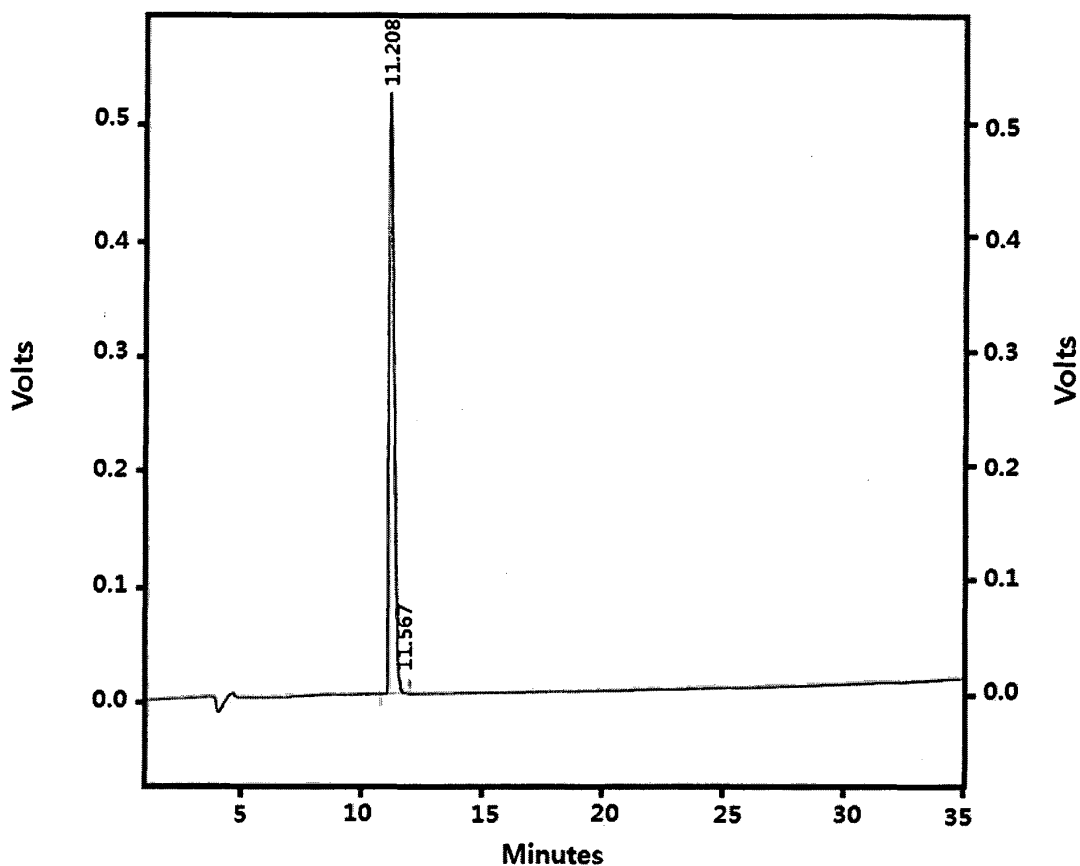
Detector A (230nm)				
Pk #	Retention Time	Area	Area %	
1	11.017	5051126	96.145	
2	11.333	202520	3.855	
Totals		5253646	100.000	

도 27

Shimadzu CLASS-VP V6.14 SP1 MANUAL

Area % Report

Sample ID : K161412 (YDE-024)



Detector A				
(230nm)	Pk #	Retention Time	Area	Area %
	1	11.208	7214585	98.998
	2	11.567	73036	1.002
Totals			7287621	100.000

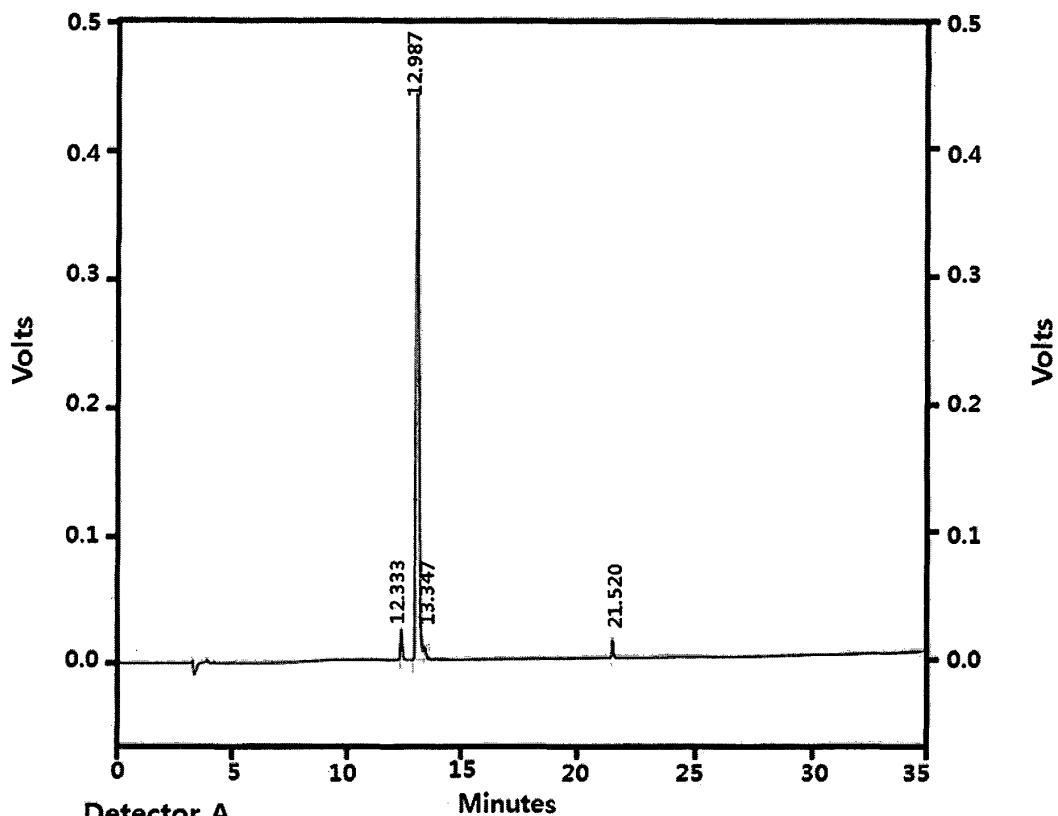
RECTIFIED SHEET (RULE 91) ISA/KR

도 28

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K161413 (YDE-025)



Detector A (230nm) Pk #		Retention Time	Area	Area %
1		12.333	89208	2.157
2		12.987	3936279	95.167
3		13.347	61019	1.475
4		21.520	49664	1.201
Totals			4136170	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

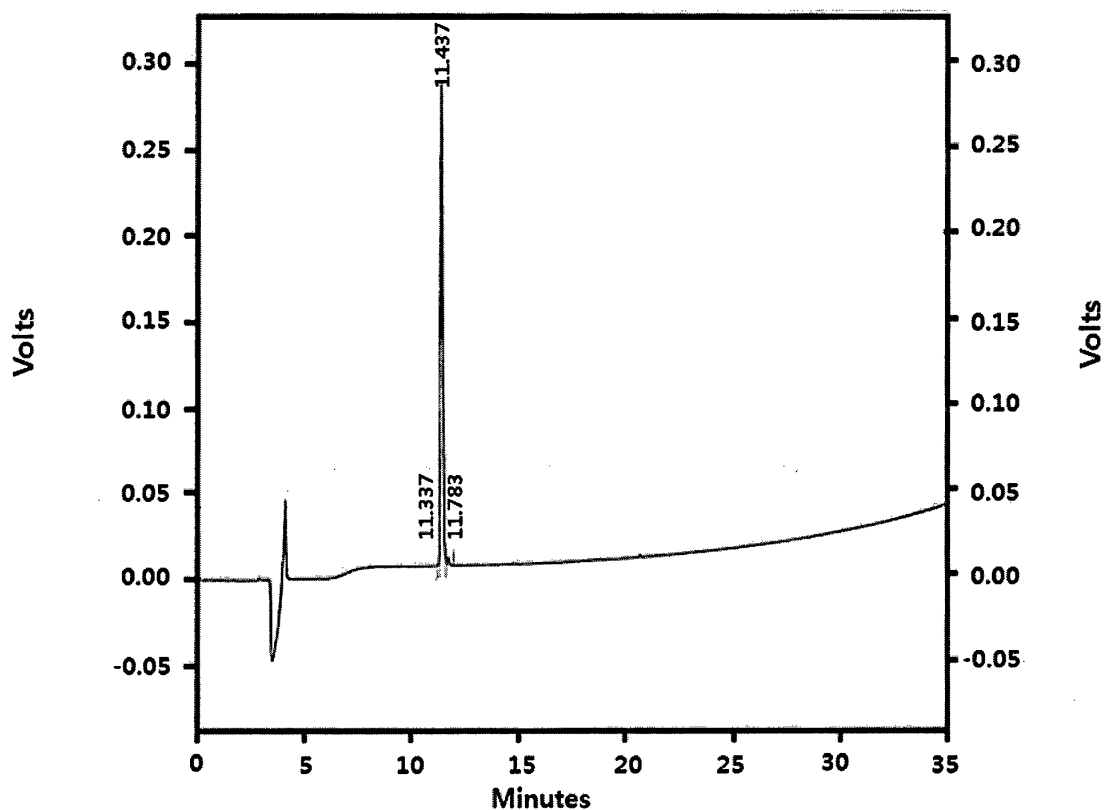
도 29

Shimadzu CLASS-VP V6.14 SP1 new 10AVP

Area % Report

Page of 1

Sample ID : K161414 (YDE-026)



Detector A

(230nm)

Pk #	Retention Time	Area	Area %
1	11.337	1455	0.068
2	11.437	2109578	98.675
3	11.783	26862	1.256
Totals		2137895	100.000

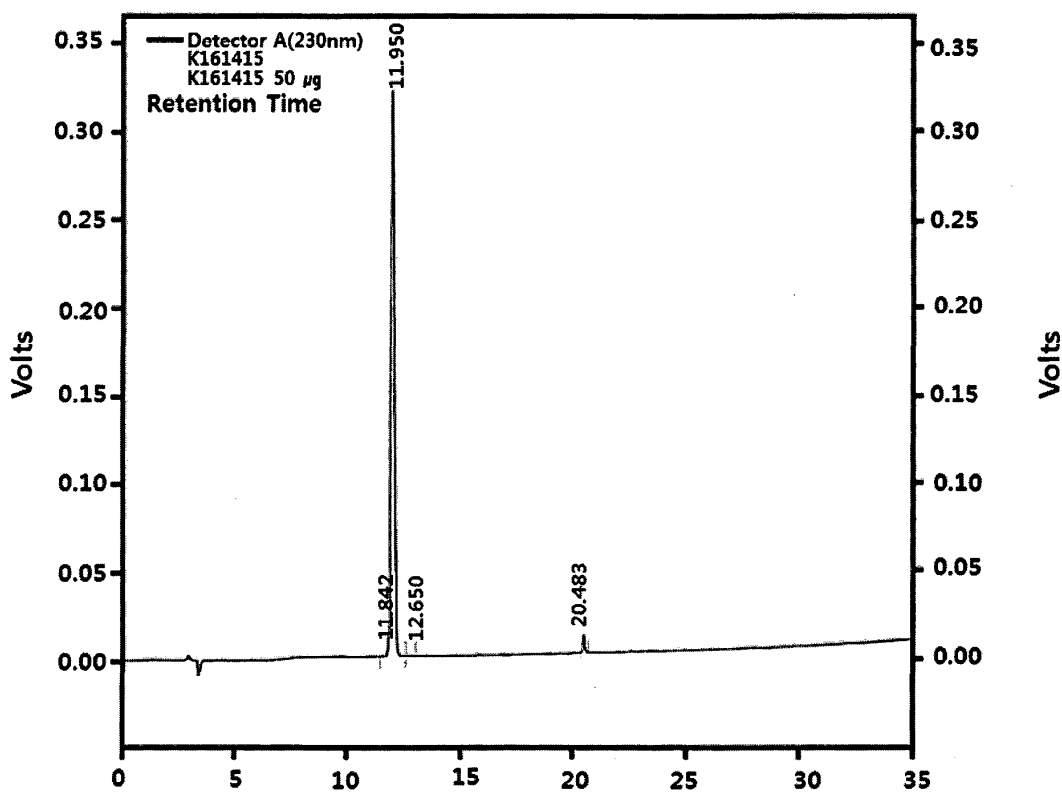
RECTIFIED SHEET (RULE 91) ISA/KR

도 30

Shimadzu CLASS-VP V6.14 SP1 Manual (AUTO Sampler)

Area % Report

Sample ID : K161415 (YDE-027)



Detector A		Minutes		
(230nm) Pk #	Retention Time	Area	Area %	
1	11.842	41052	1.200	
2	11.950	3316998	96.933	
3	12.650	4962	0.145	
4	20.483	58920	1.722	
Totals		3421932	100.000	

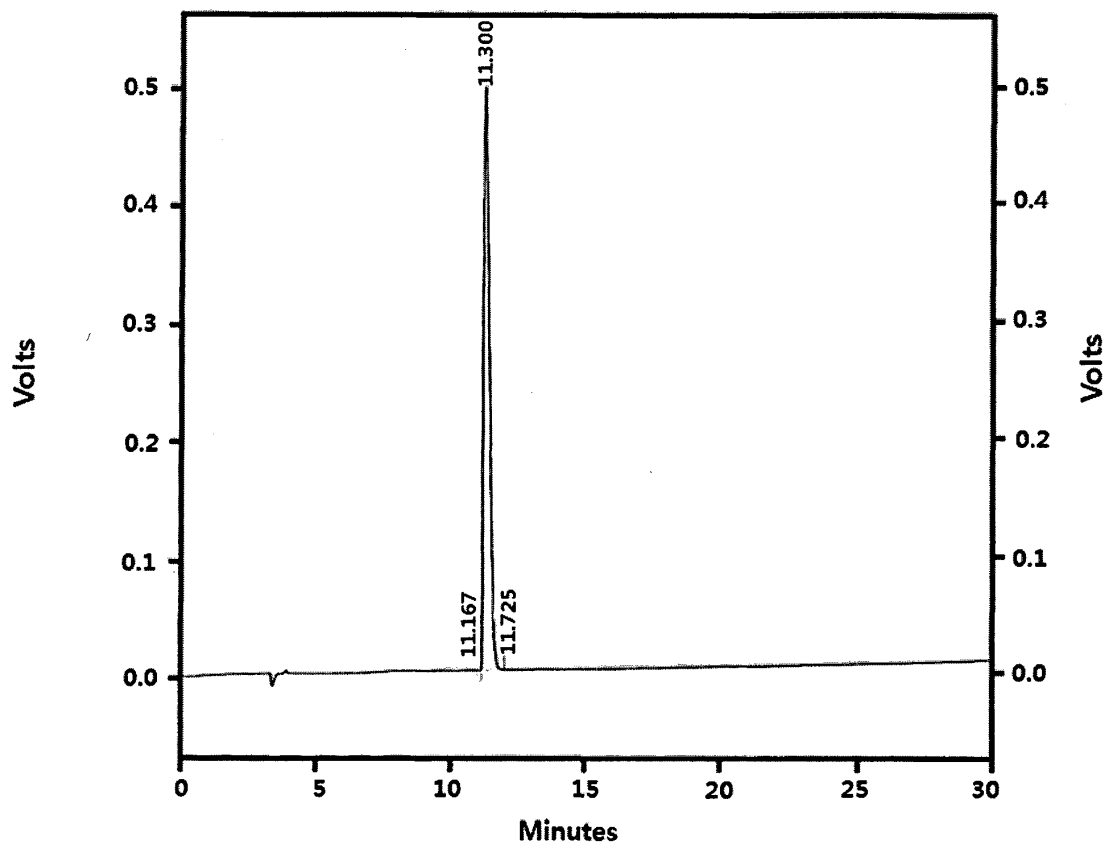
RECTIFIED SHEET (RULE 91) ISA/KR

도 31

Shimadzu CLASS-VP V6.14 SP1 MANUAL

Area % Report

Sample ID : K161416 (YDE-028)



Detector A

(230nm)

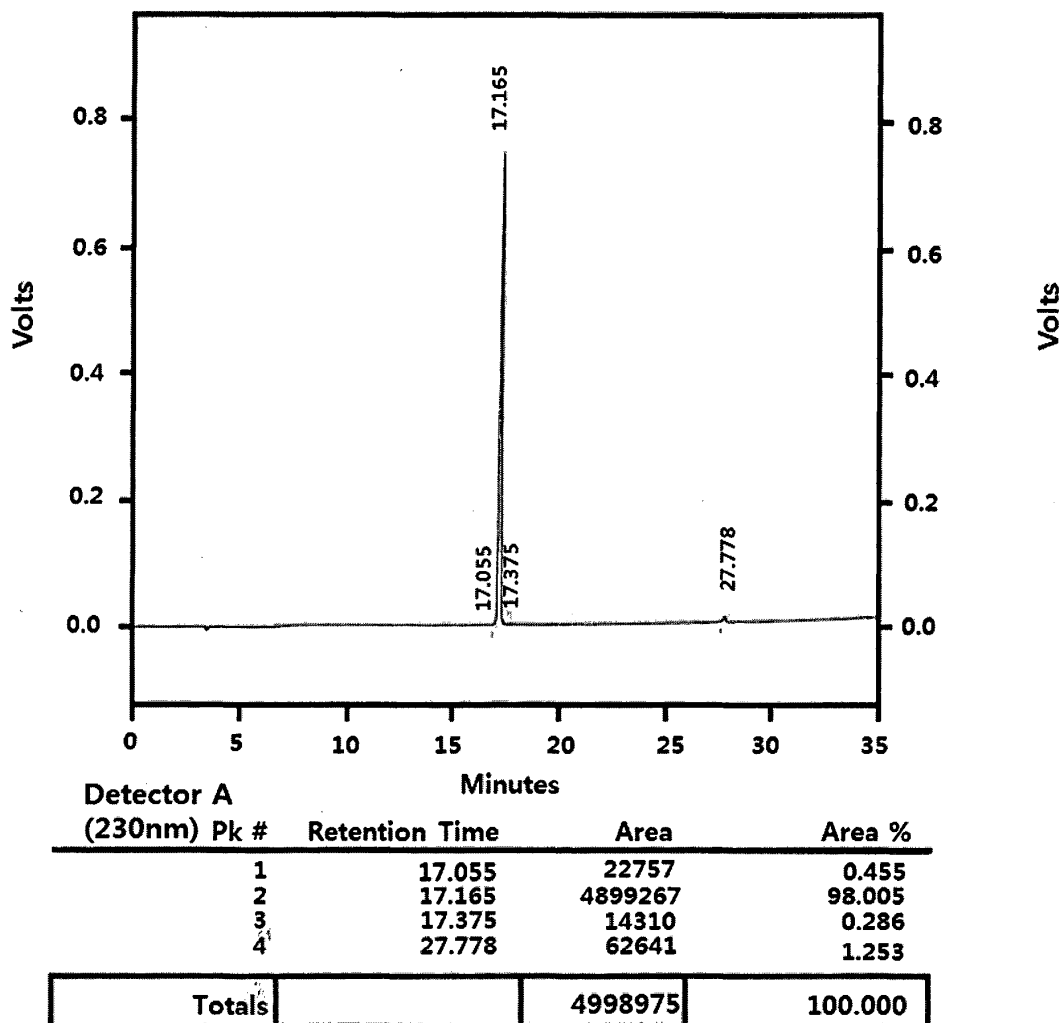
Pk #	Retention Time	Area	Area %
1	11.167	150	0.002
2	11.300	7430217	99.528
3	11.725	35093	0.470
Totals		7465460	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

도 32

Shimadzu CLASS-VP V6.14 SP1 new 10AVP *Area % Report* *Page of 1*

Sample ID : K170461 (YDE-029)



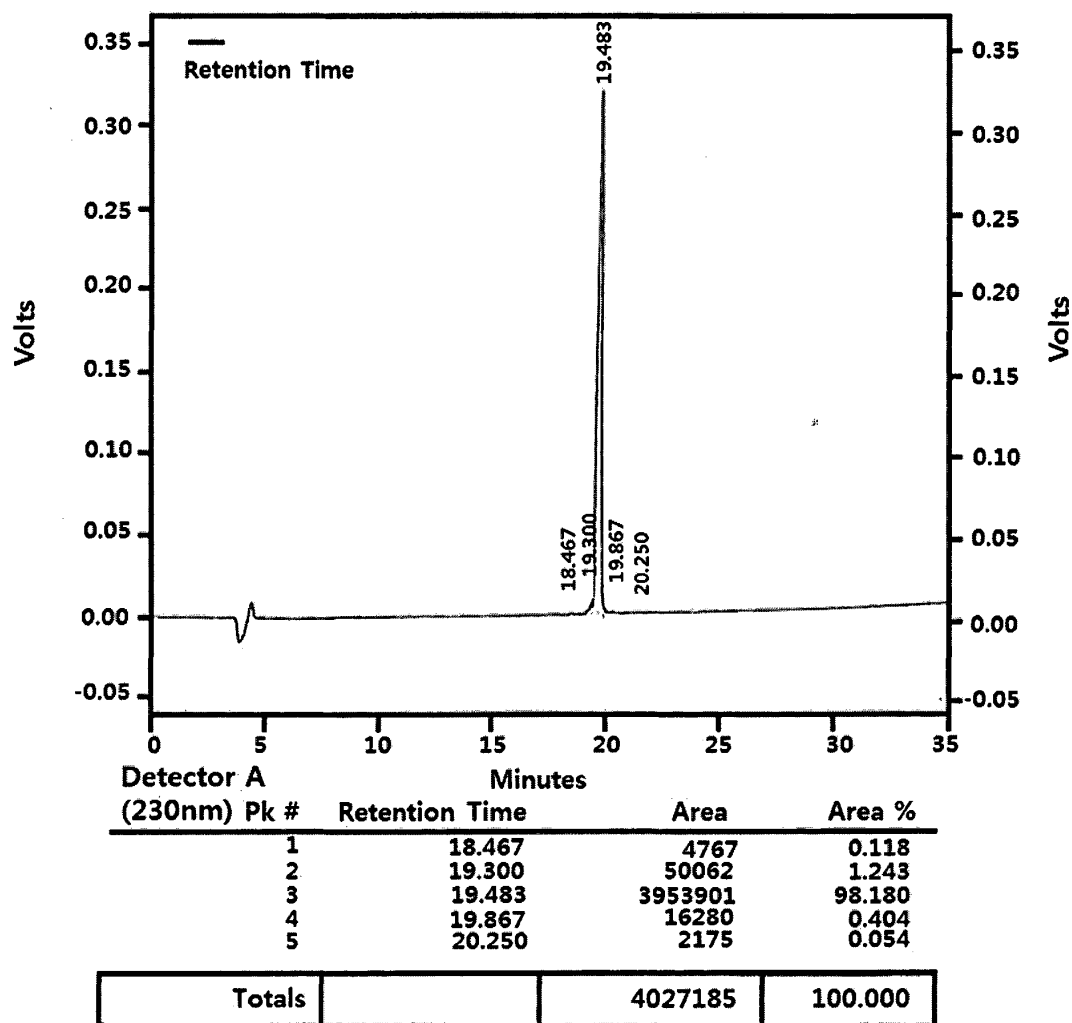
RECTIFIED SHEET (RULE 91) ISA/KR

도 33

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K170462 (YDE-030)



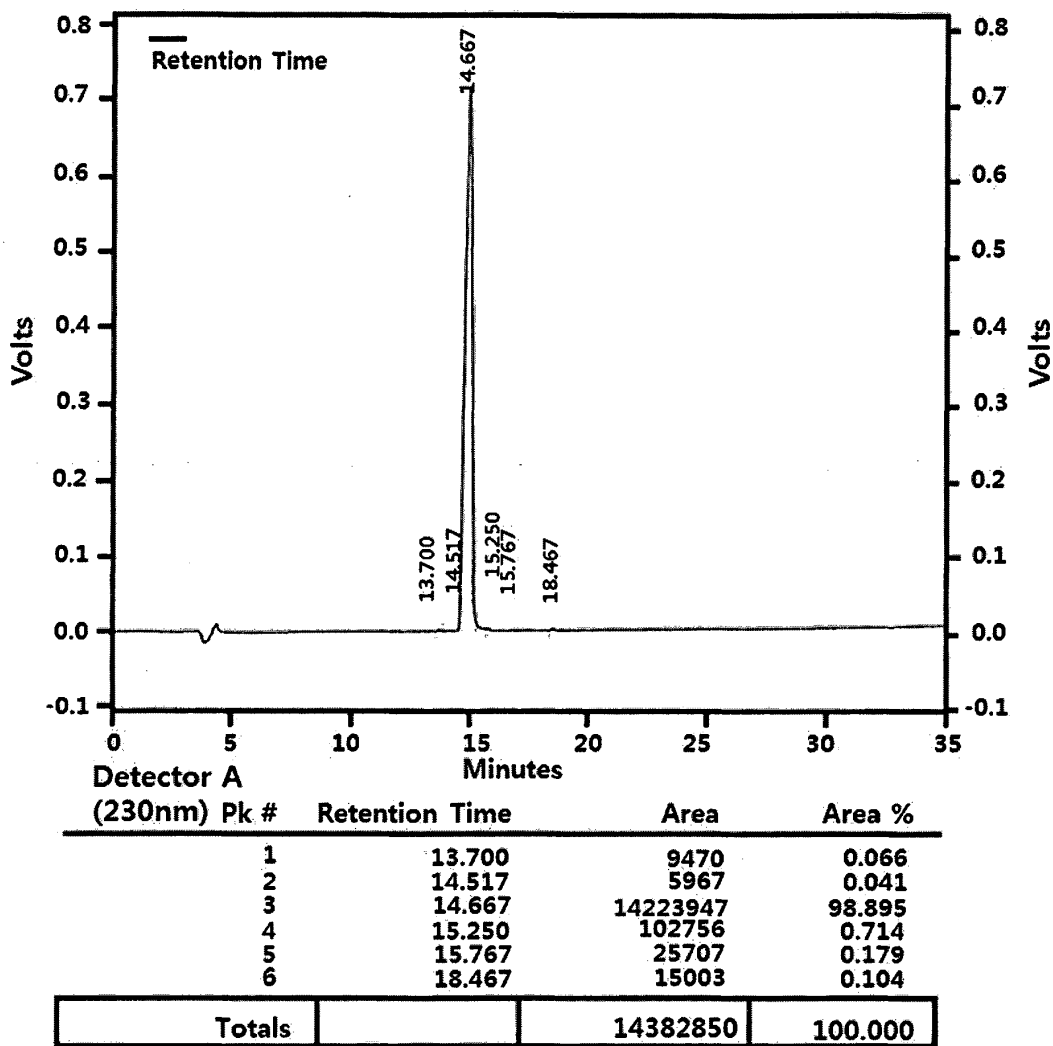
RECTIFIED SHEET (RULE 91) ISA/KR

도 34

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K170463 (YDE-031)



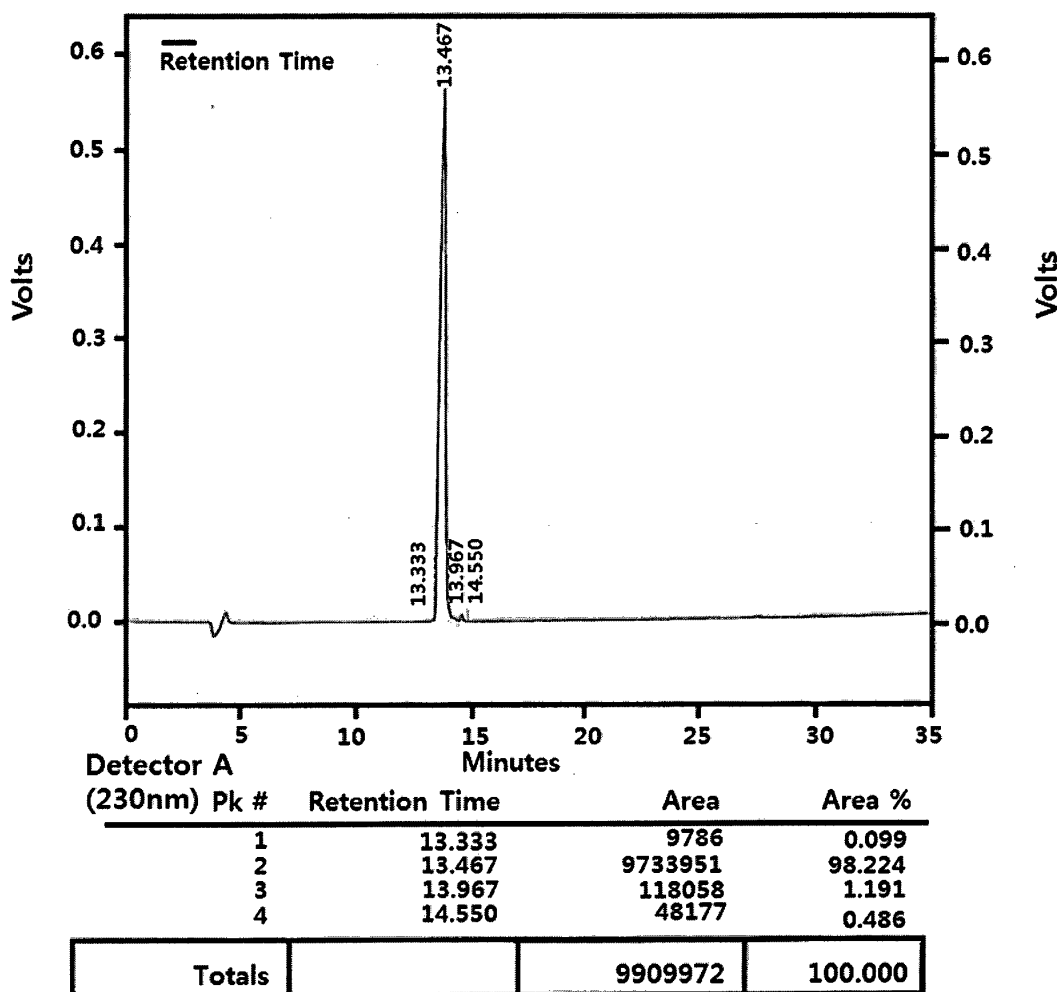
RECTIFIED SHEET (RULE 91) ISA/KR

도 35

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K170464 (YDE-032)

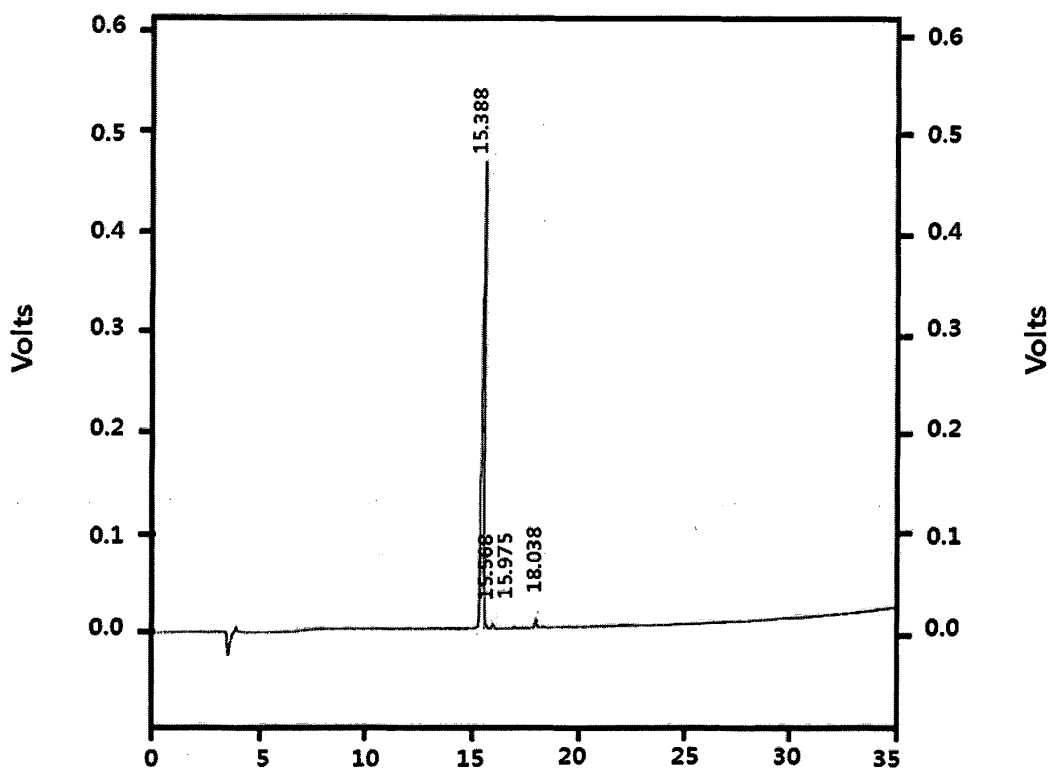


RECTIFIED SHEET (RULE 91) ISA/KR

도 36

Shimadzu CLASS-VP V6.14 SP1 new 10AVP *Area % Report* *Page of 1*

Sample ID : K170465 (YDE-033)



Detector A		Minutes		
(230nm)	Pk #	Retention Time	Area	Area %
	1	15.388	3503595	97.229
	2	15.568	36015	0.999
	3	15.975	25007	0.694
	4	18.038	38811	1.077
Totals			3603428	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

도 37

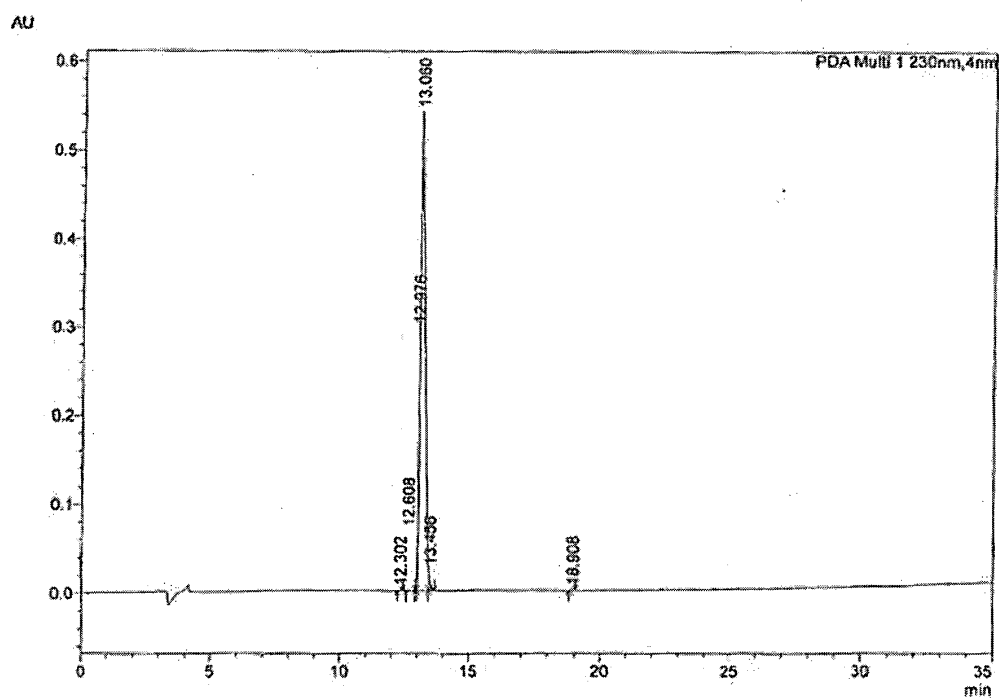
SHIMADZU
LabSolutions

Analysis Report

<Sample Information>

Sample Name :K170467 (YDE-034)

<Chromatogram>

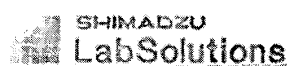


<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	12.302	3679	0.049
2	12.608	6351	0.084
3	12.976	21634	0.287
4	13.060	7431450	98.685
5	13.456	62871	0.835
6	18.908	4490	0.060
Total		7530474	100.000

도 38

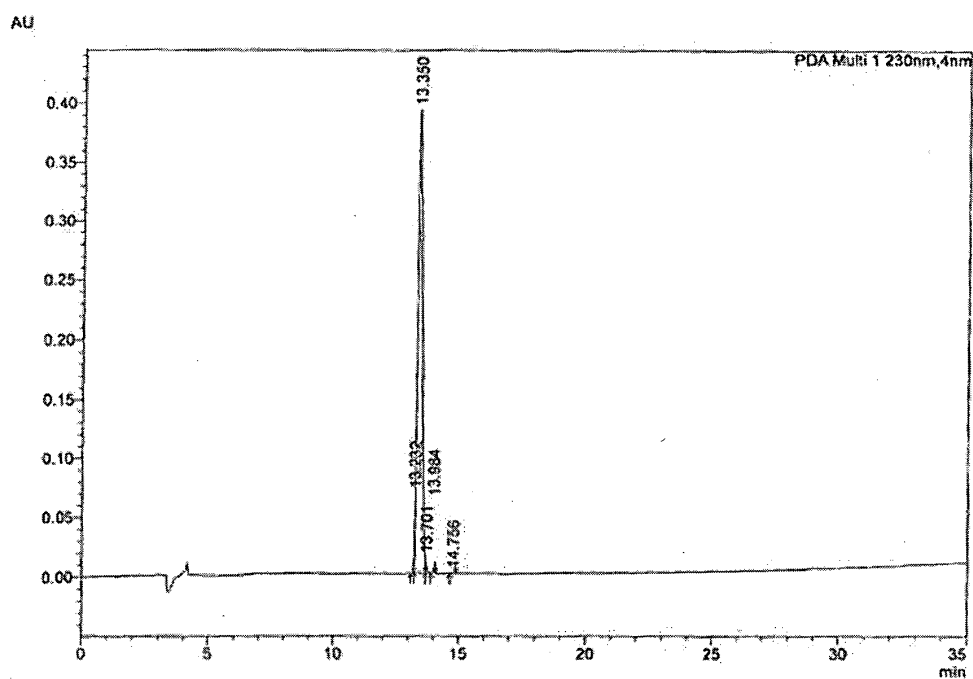


Analysis Report

<Sample Information>

Sample Name :K170468 (YDE-035)

<Chromatogram>

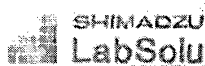


<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	13.232	12349	0.252
2	13.350	4845696	98.818
3	13.701	38529	0.786
4	13.984	2572	0.052
5	14.756	4526	0.092
Total		4903673	100.000

도 39

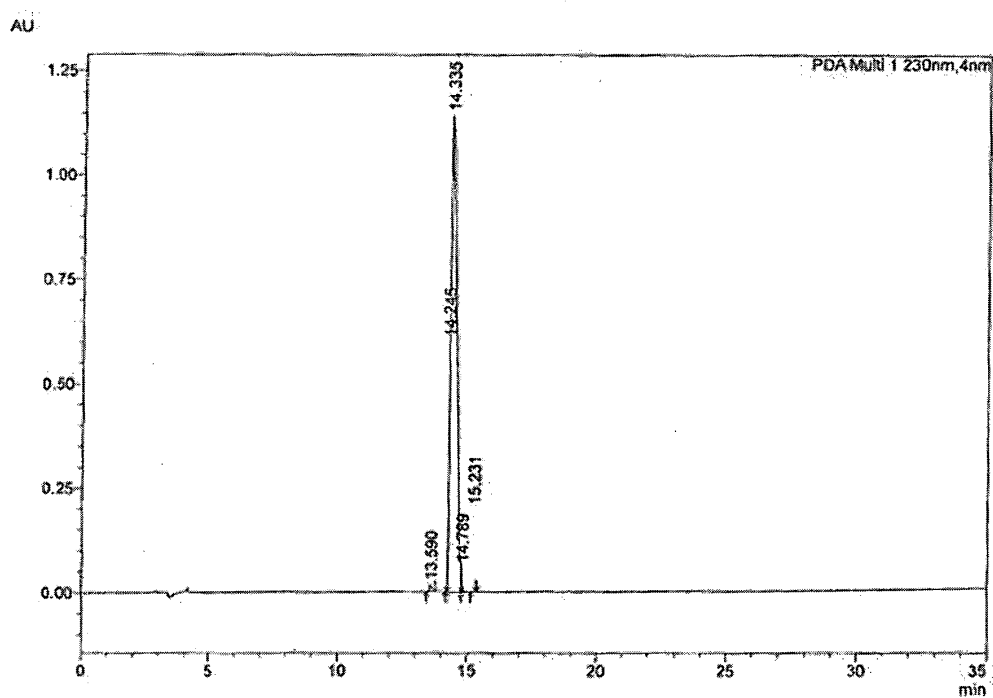


Analysis Report

<Sample Information>

Sample Name :K170469 (YDE-036)

<Chromatogram>



<Peak Table>

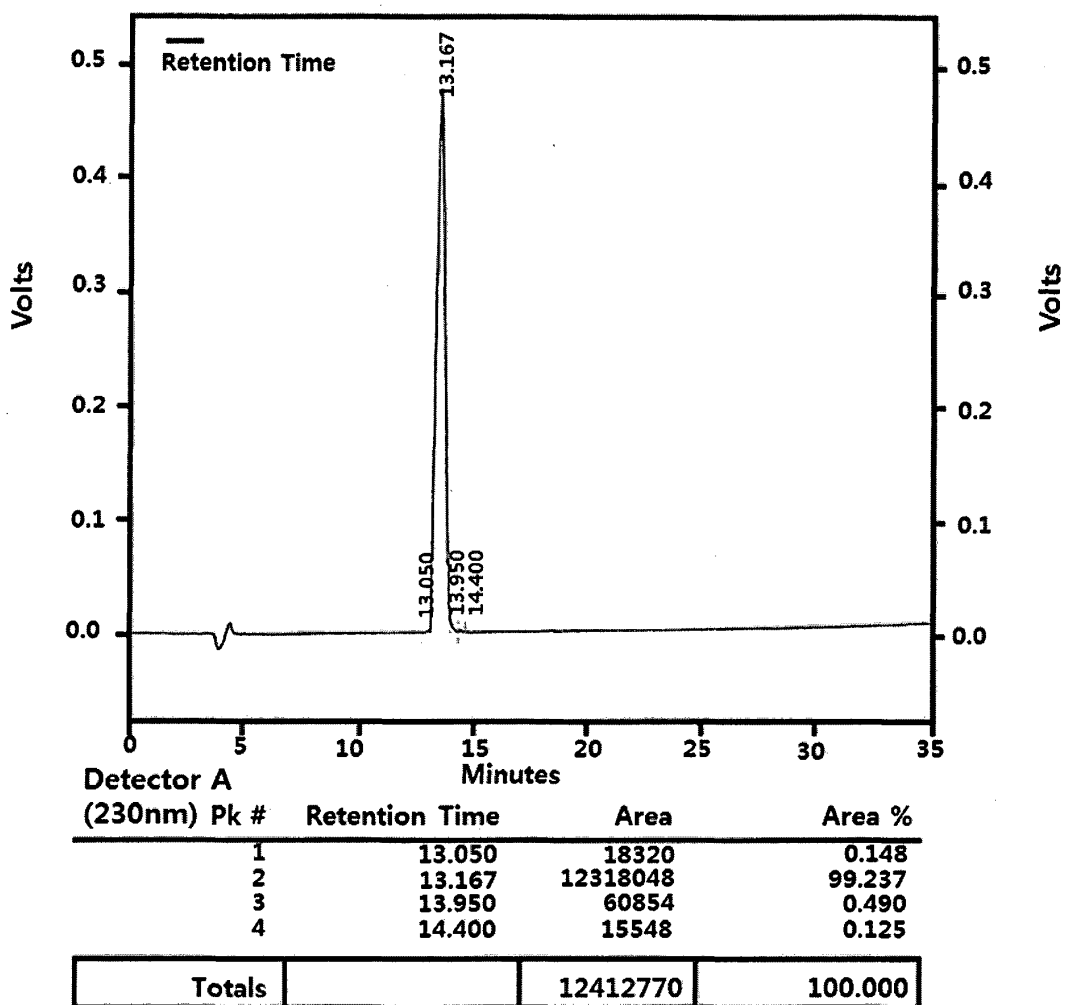
PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	13.590	95741	0.502
2	14.245	21037	0.110
3	14.335	18844050	98.765
4	14.789	113179	0.593
5	15.231	5631	0.030
Total		19079638	100.000

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K170470 (YDE-037)

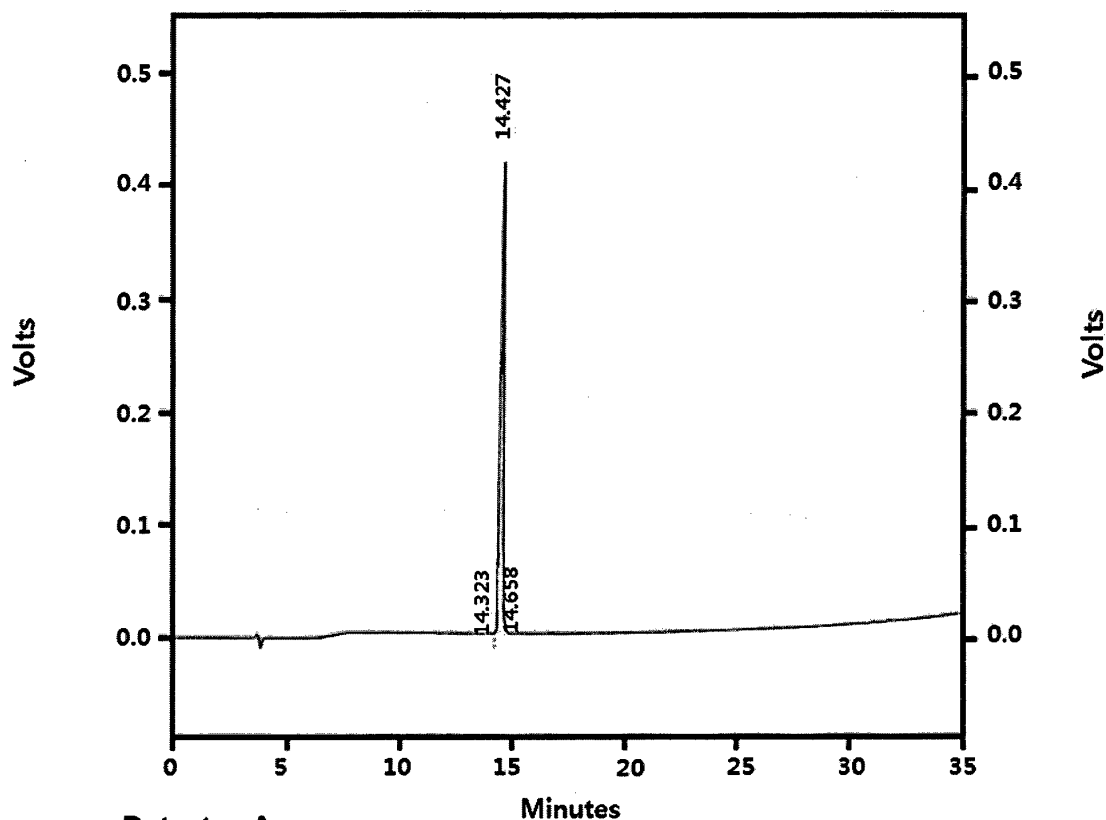


Shimadzu CLASS-VP V6.14 SP1 new 10AVP

Area % Report

Page of 1

Sample ID : K170471 (YDE-038)



Detector A

(230nm)

Pk #	Retention Time	Area	Area %
1	14.323	7412	0.197
2	14.427	3716173	98.767
3	14.658	38987	1.036
Totals		3762572	100.000

도 42

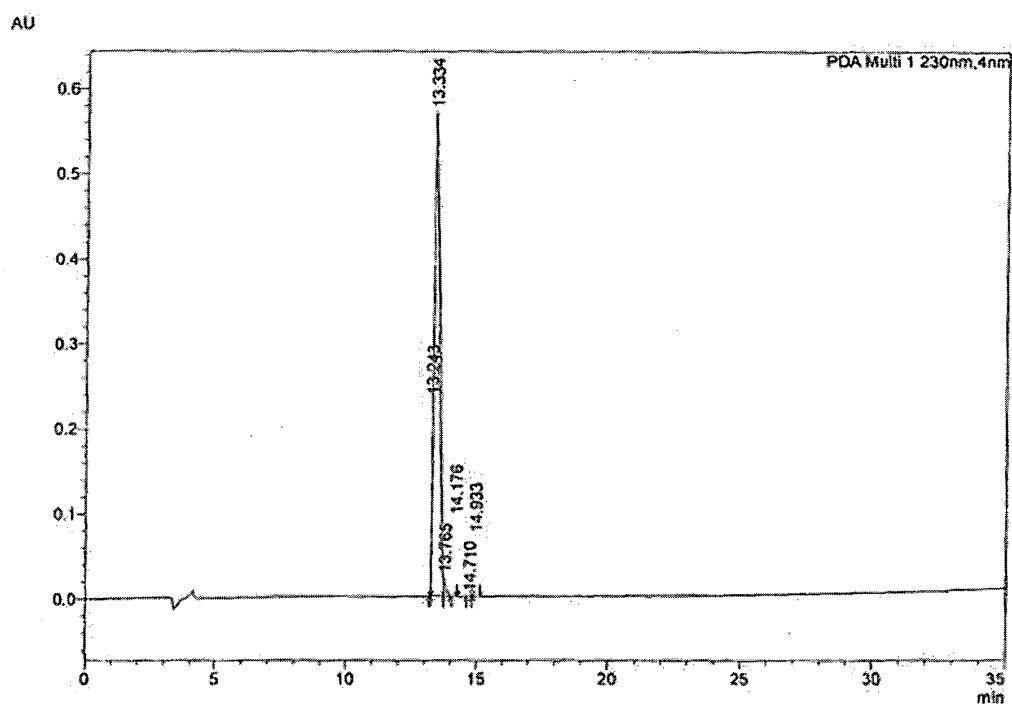


Analysis Report

<Sample Information>

Sample Name :K170484 (YDE-039)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	13.243	10337	0.120
2	13.334	8471164	98.101
3	13.765	141934	1.644
4	14.176	1883	0.022
5	14.710	3097	0.036
6	14.933	6746	0.078
Total		8635161	100.000

도 43

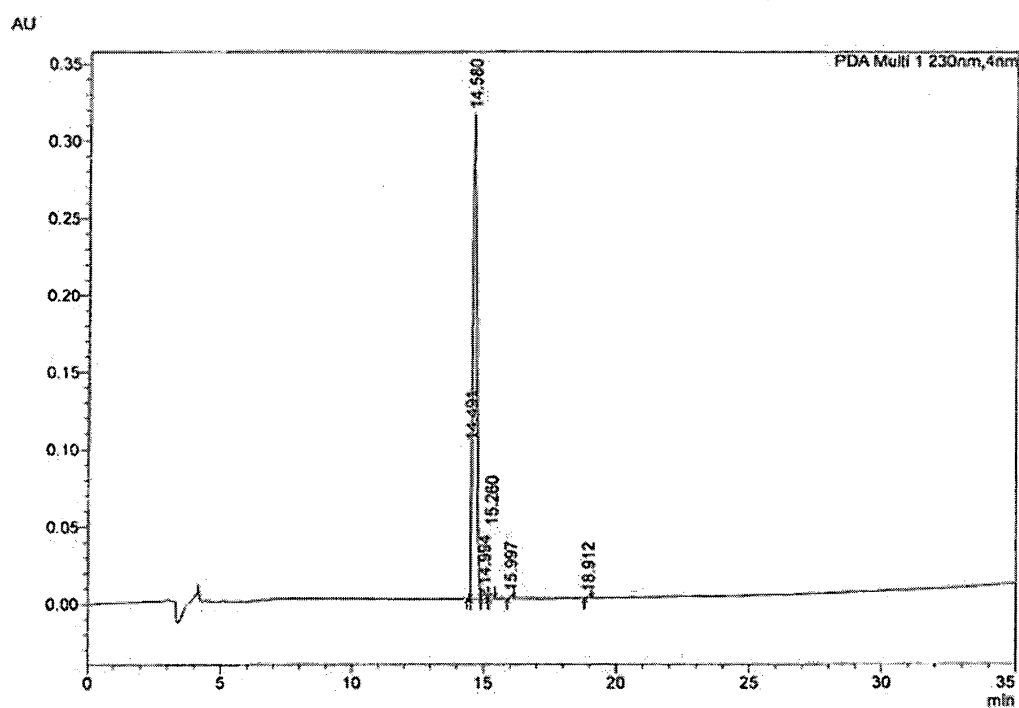


Analysis Report

<Sample Information>

Sample Name :K170485 (YDE-040)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

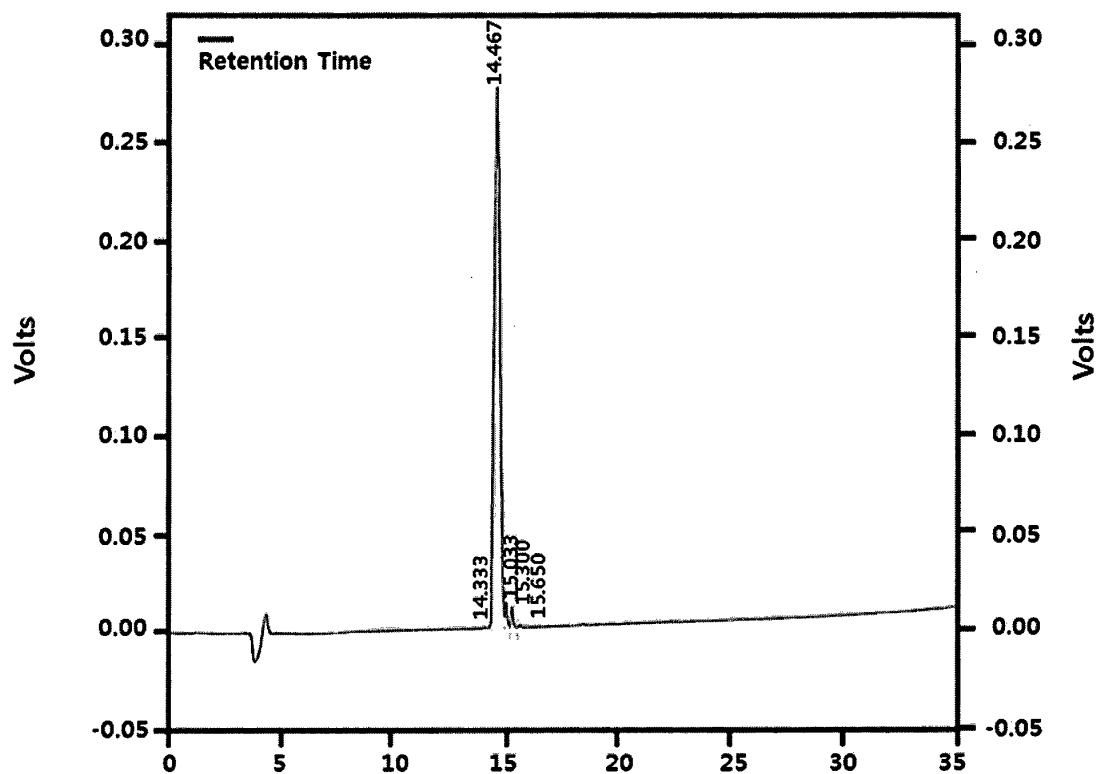
Peak#	Ret. Time	Area	Area%
1	14.491	8575	0.266
2	14.580	3145995	97.580
3	14.994	43744	1.357
4	15.260	10665	0.331
5	15.997	9068	0.281
6	18.912	5968	0.185
Total		3224014	100.000

도 44

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K170466 (YDE-041)



Detector A		Minutes		
(230nm) Pk #	Retention Time	Area	Area %	
1	14.333	8213	0.167	
2	14.467	4742455	96.577	
3	15.033	84778	1.726	
4	15.300	67385	1.372	
5	15.650	7689	0.157	
Totals		4910520	100.000	

RECTIFIED SHEET (RULE 91) ISA/KR

도 45

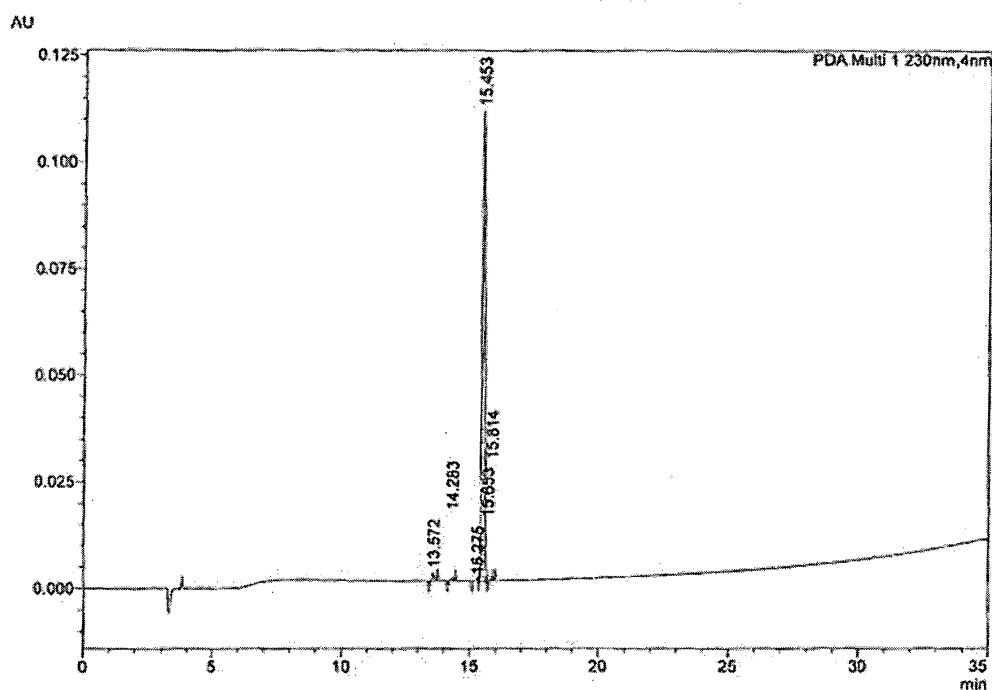
SHIMADZU
LabSolutions

Analysis Report

<Sample Information>

Sample Name : K170696 (YDE-042)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	13.572	10672	1.287
2	14.283	3251	0.392
3	15.275	1984	0.239
4	15.453	808105	97.476
5	15.653	3981	0.480
6	15.814	1036	0.125
Total		829028	100.000

도 46

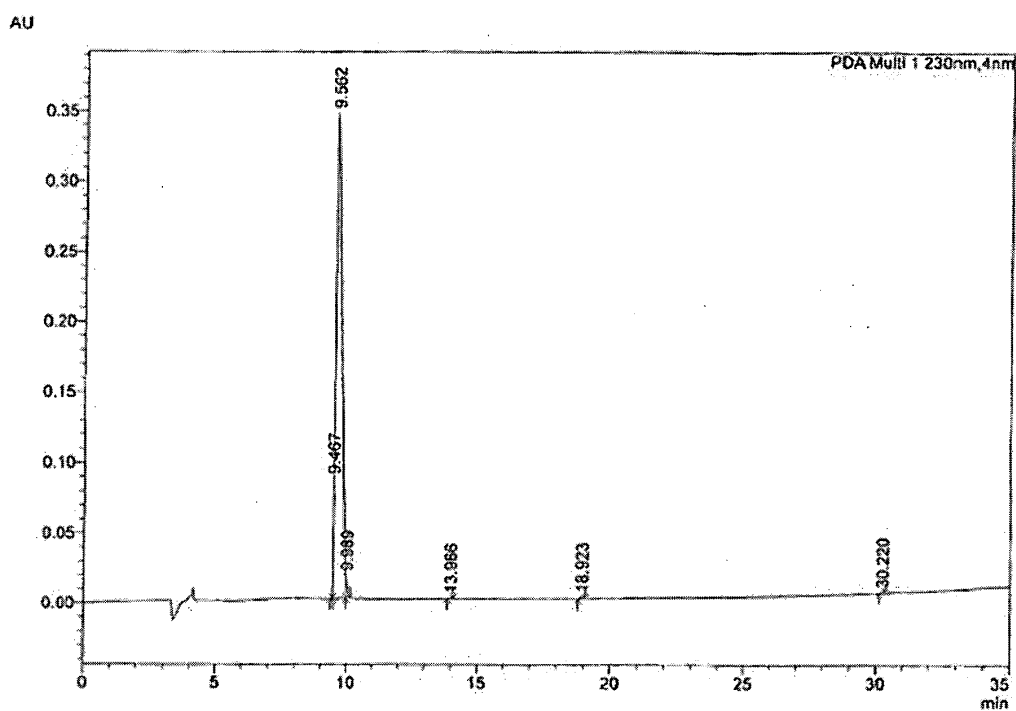


Analysis Report

<Sample Information>

Sample Name :K170695 (YDE-043)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

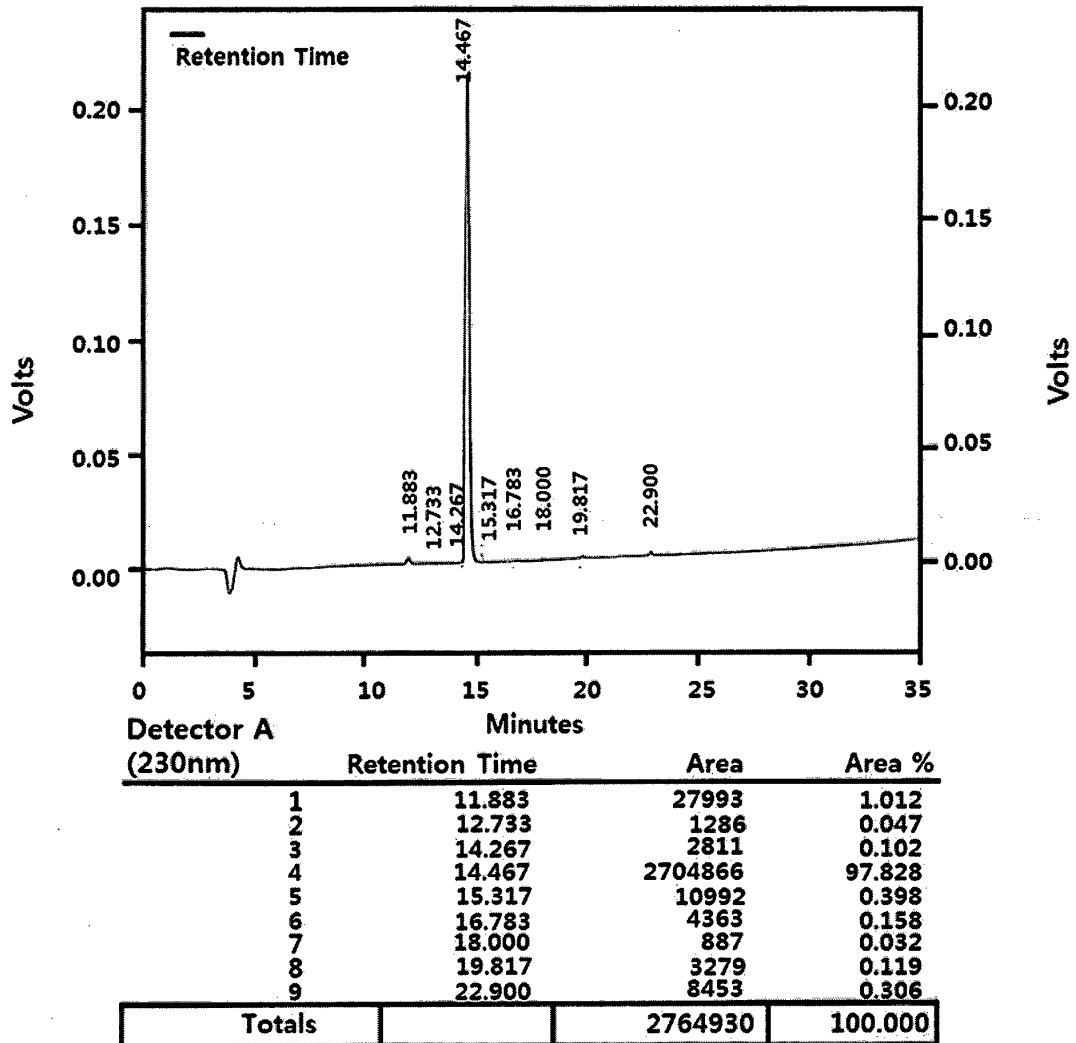
Peak#	Ret. Time	Area	Area%
1	9.467	2371	0.045
2	9.562	5211379	98.719
3	9.989	47144	0.893
4	13.966	4274	0.081
5	18.923	8330	0.158
6	30.220	5506	0.104
Total		5279004	100.000

도 47

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K171020 (YDE-044)



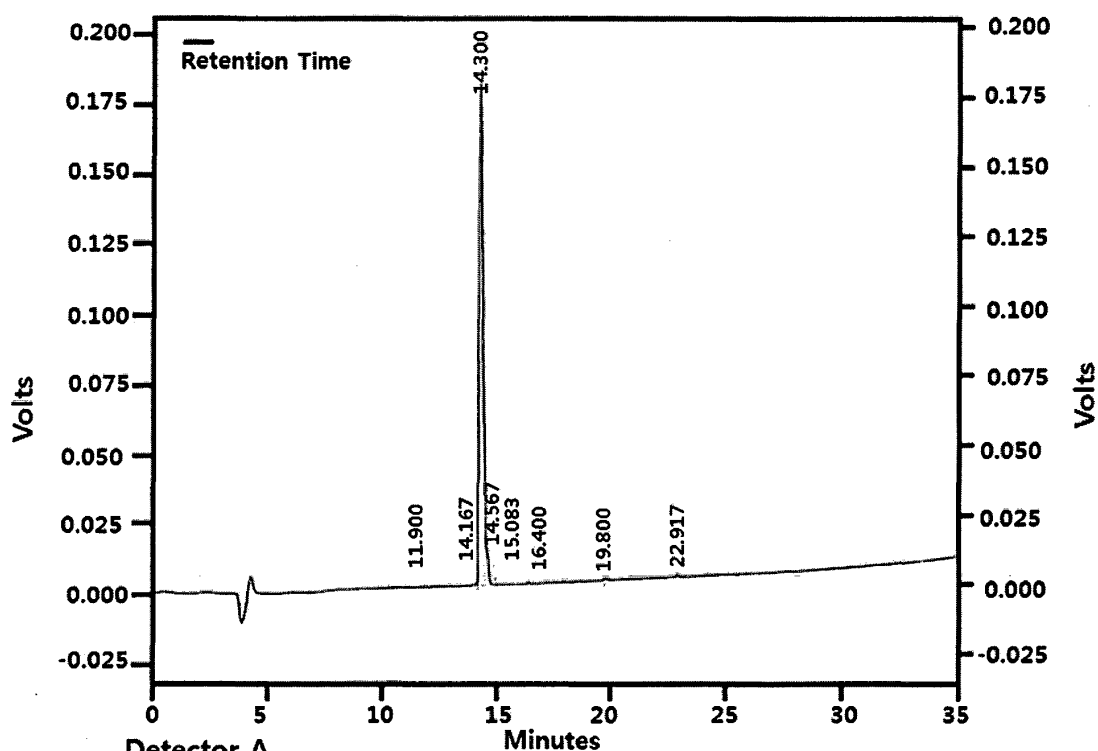
RECTIFIED SHEET (RULE 91) ISA/KR

도 48

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K171021 (YDE-045)



Detector A (230nm) Pk #	Retention Time	Area	Area %
1	11.900	636	0.029
2	14.167	5291	0.242
3	14.300	2089275	95.561
4	14.567	80787	3.695
5	15.083	1596	0.073
6	16.400	2393	0.109
7	19.800	2986	0.137
8	22.917	3361	0.154
Totals		2186325	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

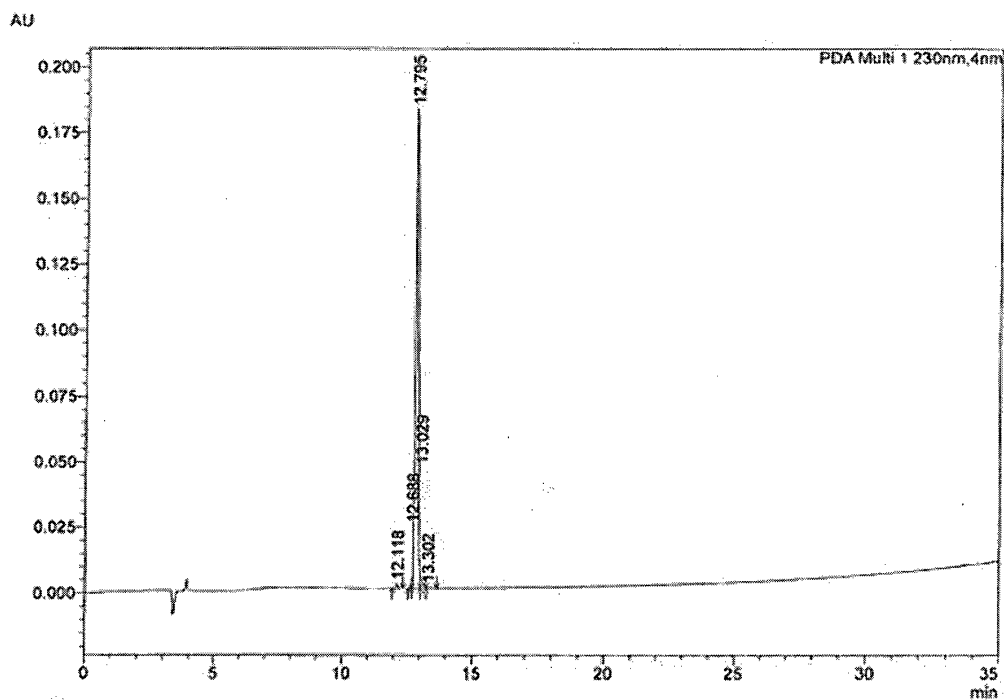
도 49

 SHIMADZU
LabSolutions Analysis Report

<Sample Information>

Sample Name K171849 (YDE-047)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	12.118	8416	0.566
2	12.688	3751	0.252
3	12.795	1449638	97.513
4	13.029	22365	1.504
5	13.302	2443	0.164
Total		1486612	100.000

도 50

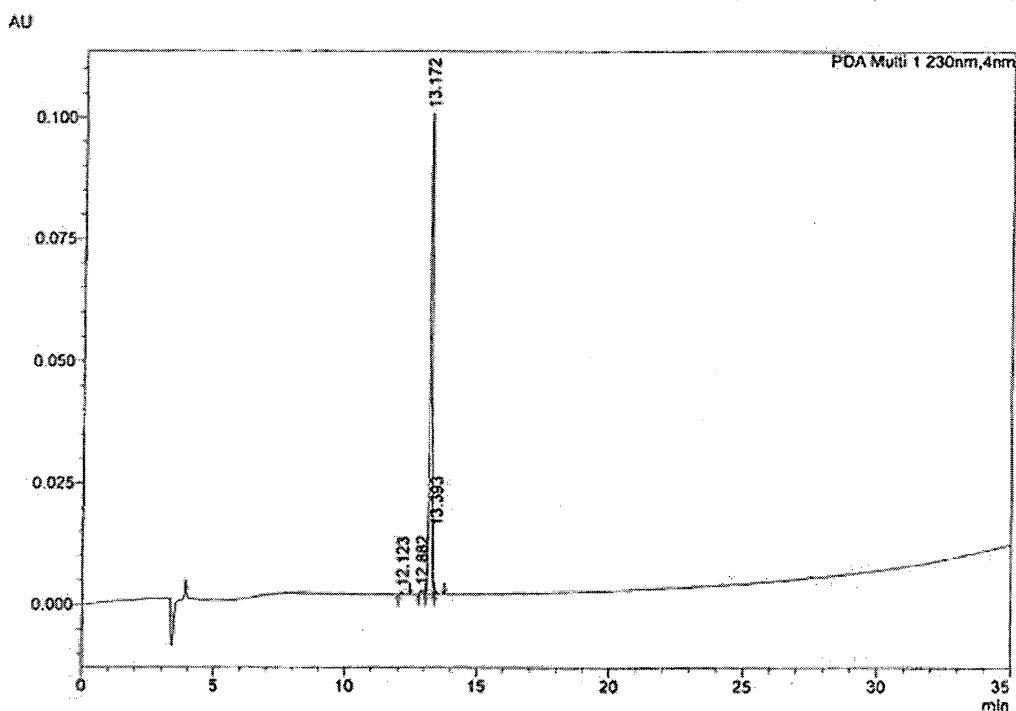


Analysis Report

<Sample Information>

Sample Name :K171850 (YDE-048)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	12.123	3743	0.600
2	12.882	7696	1.234
3	13.172	606751	97.254
4	13.393	5695	0.913
Total		623885	100.000

도 51

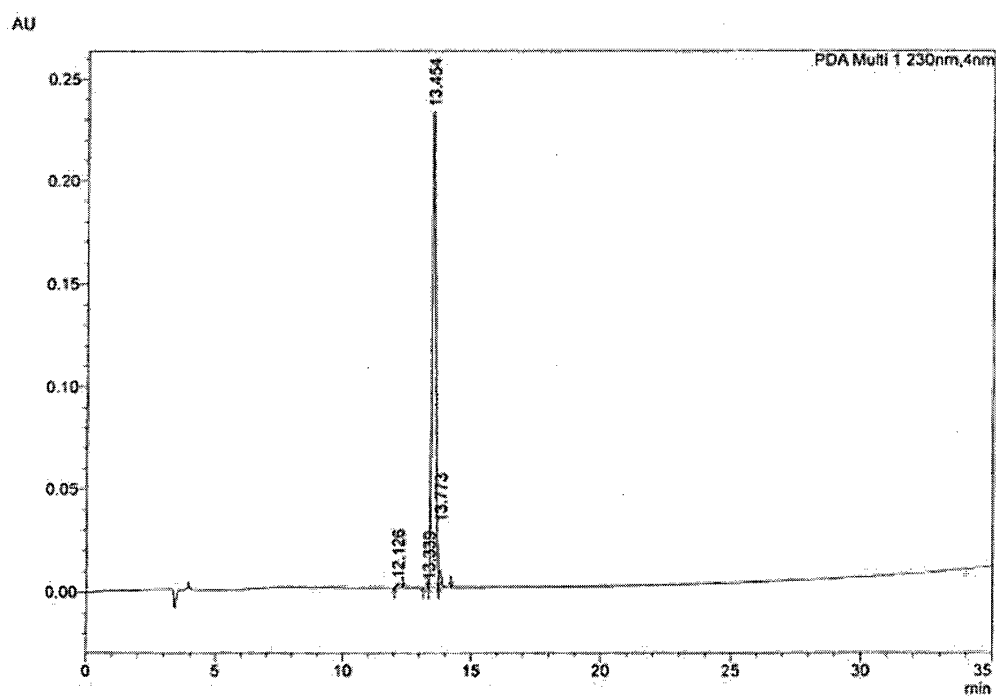
SHIMADZU
LabSolutions

Analysis Report

<Sample Information>

Sample Name :K171851 (YDE-049)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	12.126	12891	0.539
2	13.339	1756	0.073
3	13.454	2318972	96.924
4	13.773	58958	2.464
Total		2392577	100.000

도 52

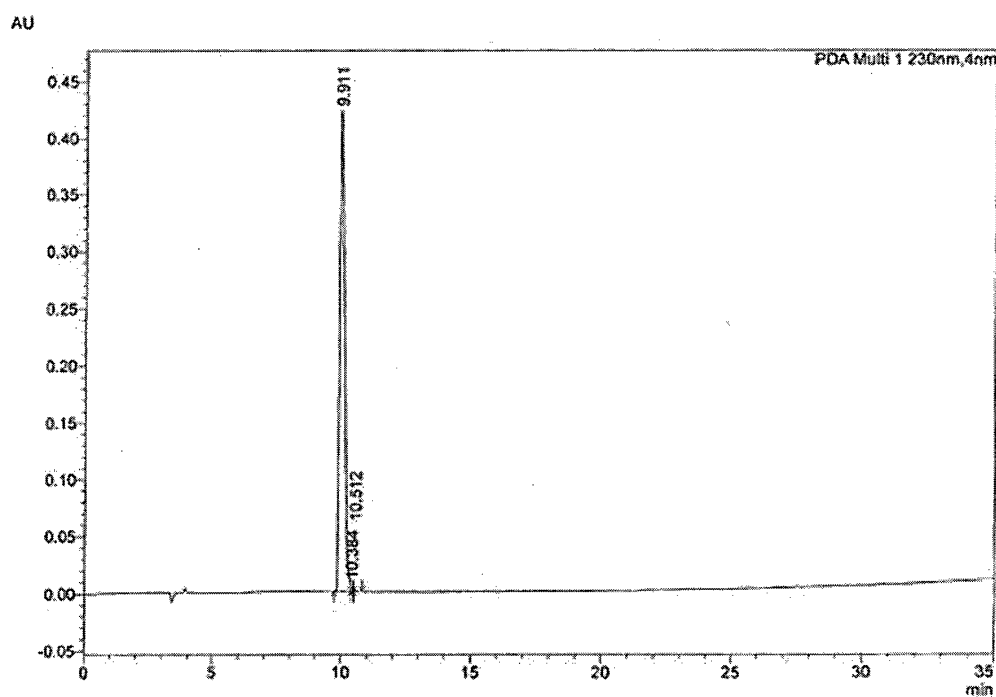


Analysis Report

<Sample Information>

Sample Name: K171852 (YDE-050)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	9.911	5450324	99.329
2	10.384	20990	0.383
3	10.512	15843	0.289
Total		5487158	100.000

도 53



SHIMADZU

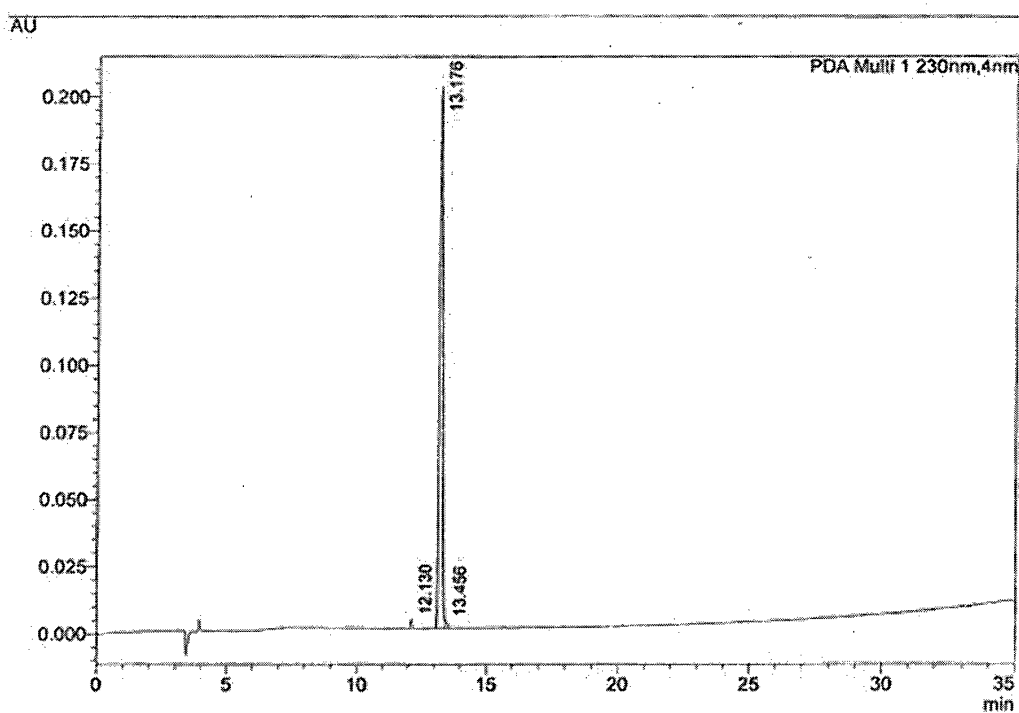
LabSolutions

Analysis Report

<Sample Information>

Sample Name : K171853 (YDE-051)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	12.130	18605	1.120
2	13.176	1627394	98.011
3	13.456	14421	0.869
Total		1660420	100.000

도 54



SHIMADZU

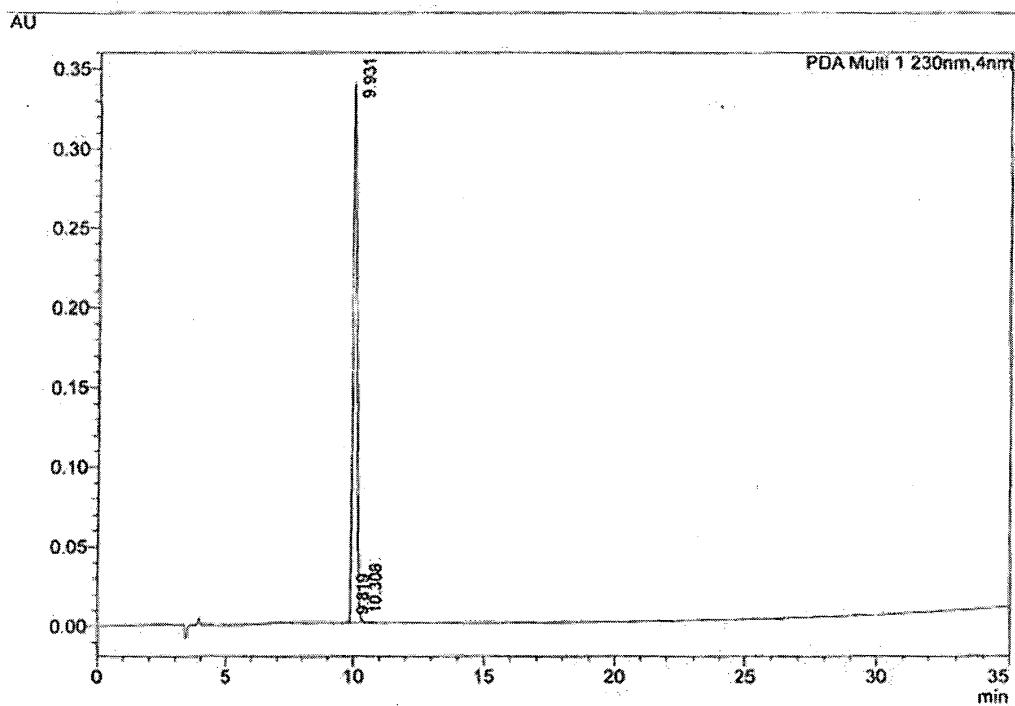
LabSolutions

Analysis Report

<Sample Information>

Sample Name : K171854 (YDE-052)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	9.819	2280	0.065
2	9.931	3486152	99.456
3	10.308	16804	0.479
Total		3505236	100.000

도 55

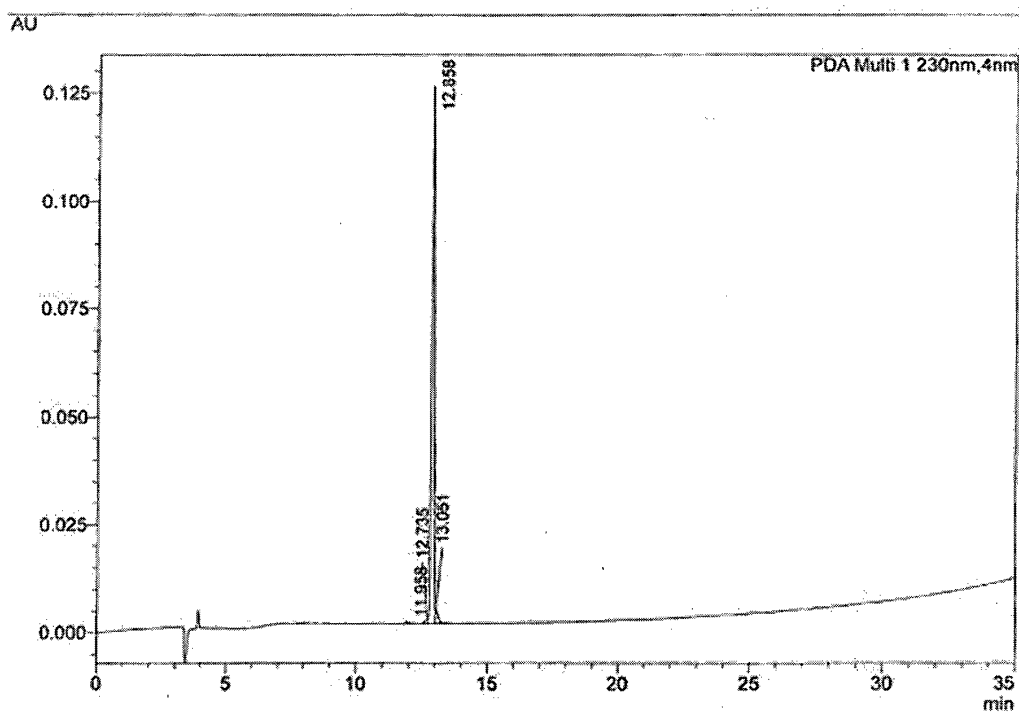


Analysis Report

<Sample Information>

Sample Name : K171855 (YDE-053)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	11.958	3827	0.441
2	12.735	7134	0.822
3	12.858	836814	96.428
4	13.051	20034	2.309
Total		867809	100.000

도 56

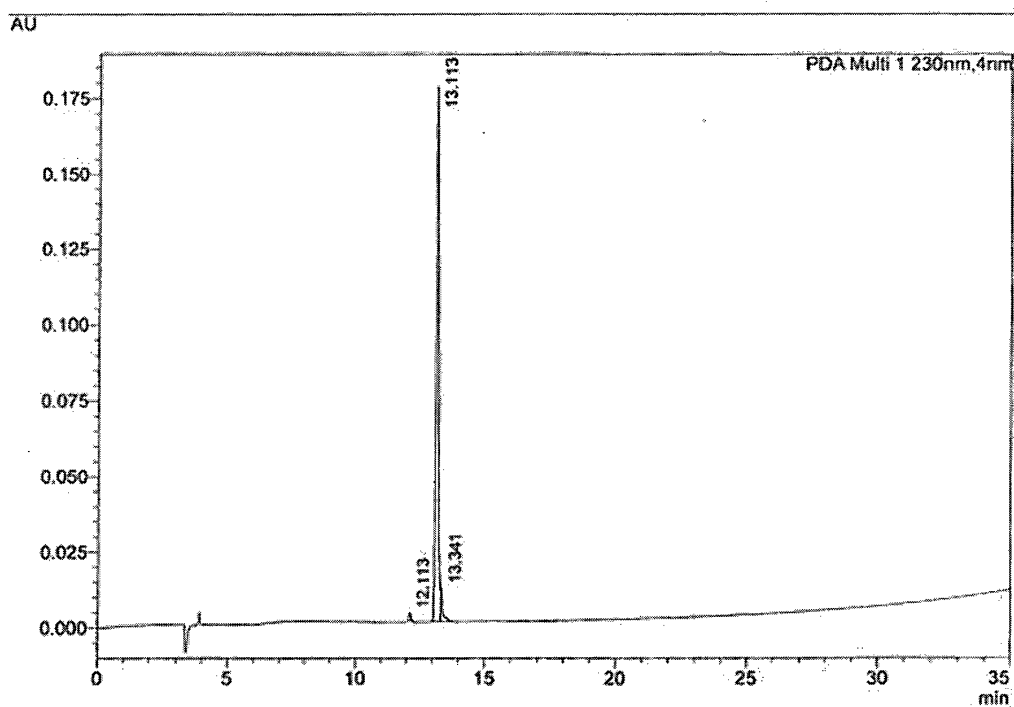


Analysis Report

<Sample Information>

Sample Name : K171856 (YDE-054)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	12.113	9831	0.724
2	13.113	1291332	95.112
3	13.341	56534	4.164
Total		1357696	100.000

도 57



SHIMADZU

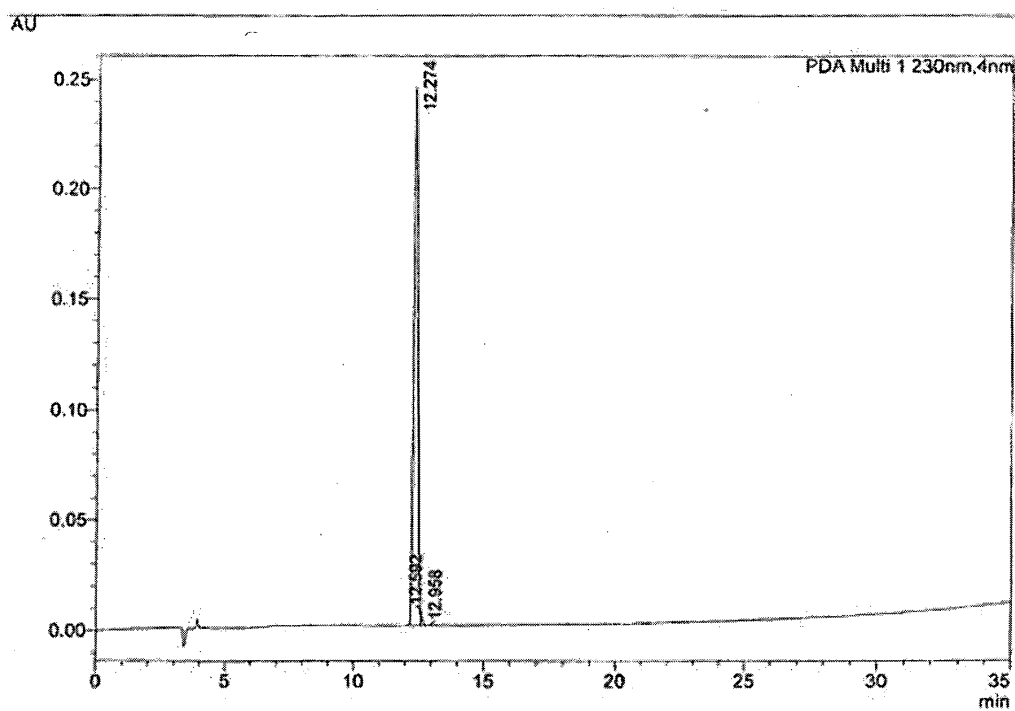
LabSolutions

Analysis Report

<Sample Information>

Sample Name : K171857 (YDE-055)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	12.274	2627179	98.689
2	12.592	31720	1.192
3	12.958	3175	0.119
Total		2662073	100.000

도 58

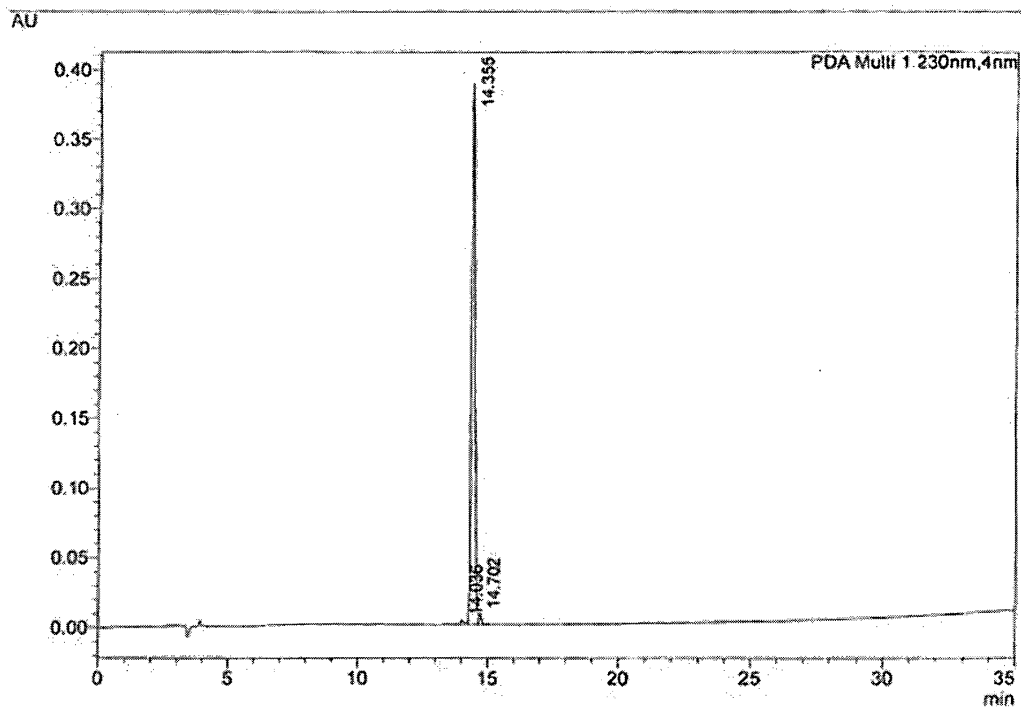


Analysis Report

<Sample Information>

Sample Name : K171858 (YDE-056)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	14.036	36272	0.999
2	14.355	3537845	97.433
3	14.702	56951	1.568
Total		3631068	100.000

도 59

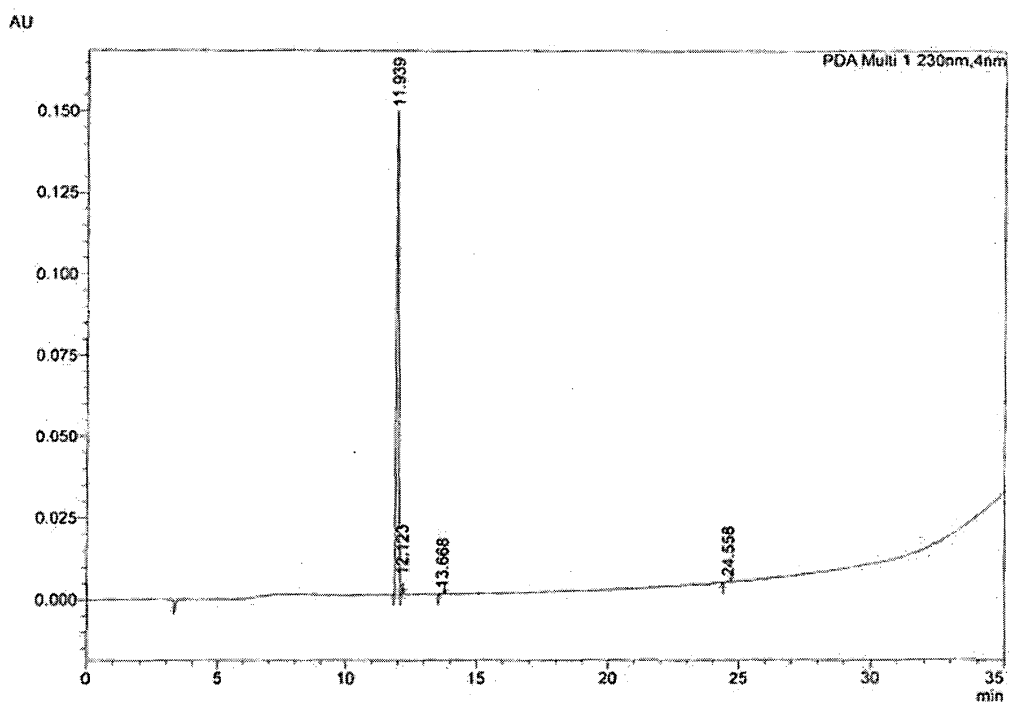
SHIMADZU
LabSolutions

Analysis Report

<Sample Information>

Sample Name :K171869 (YDE-057)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

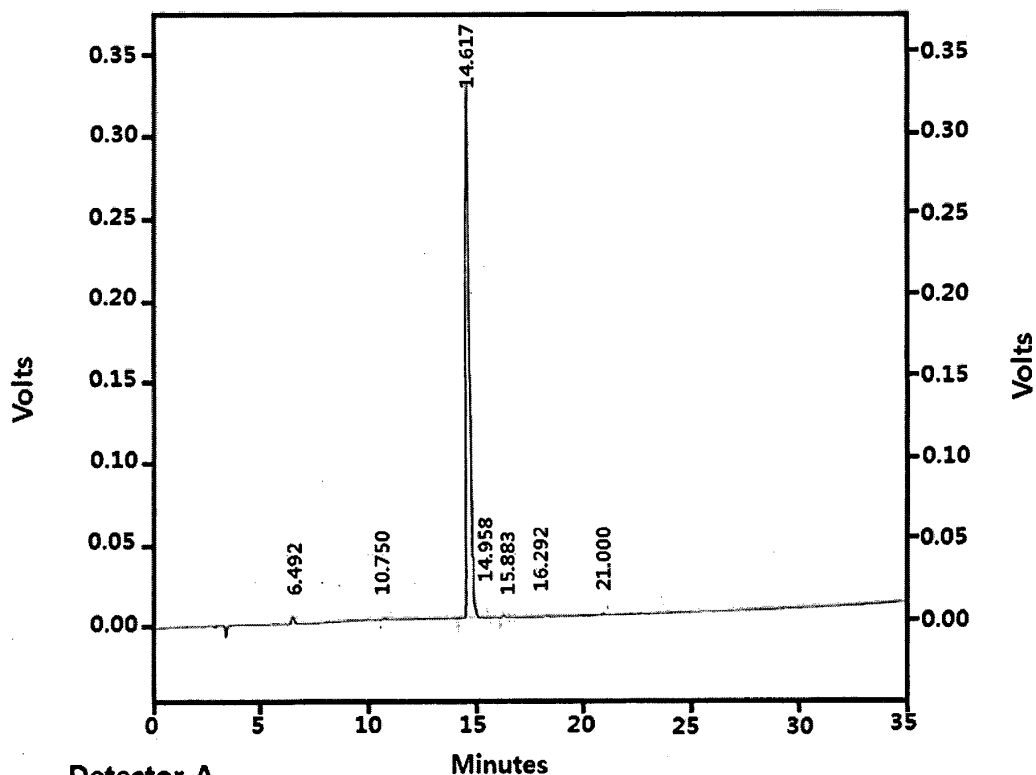
Peak#	Ret. Time	Area	Area%
1	11.939	945100	98.813
2	12.123	6524	0.682
3	13.668	2176	0.227
4	24.558	2651	0.277
Total		956452	100.000

도 60

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K171870 (YDE-058)



Detector A

Minutes

(230nm) Pk #	Retention Time	Area	Area %
1	6.492	36263	0.915
2	10.750	9609	0.243
3	14.617	3861560	97.473
4	14.958	33751	0.852
5	15.883	2210	0.056
6	16.292	13260	0.335
7	21.000	5001	0.126
Totals		3961654	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

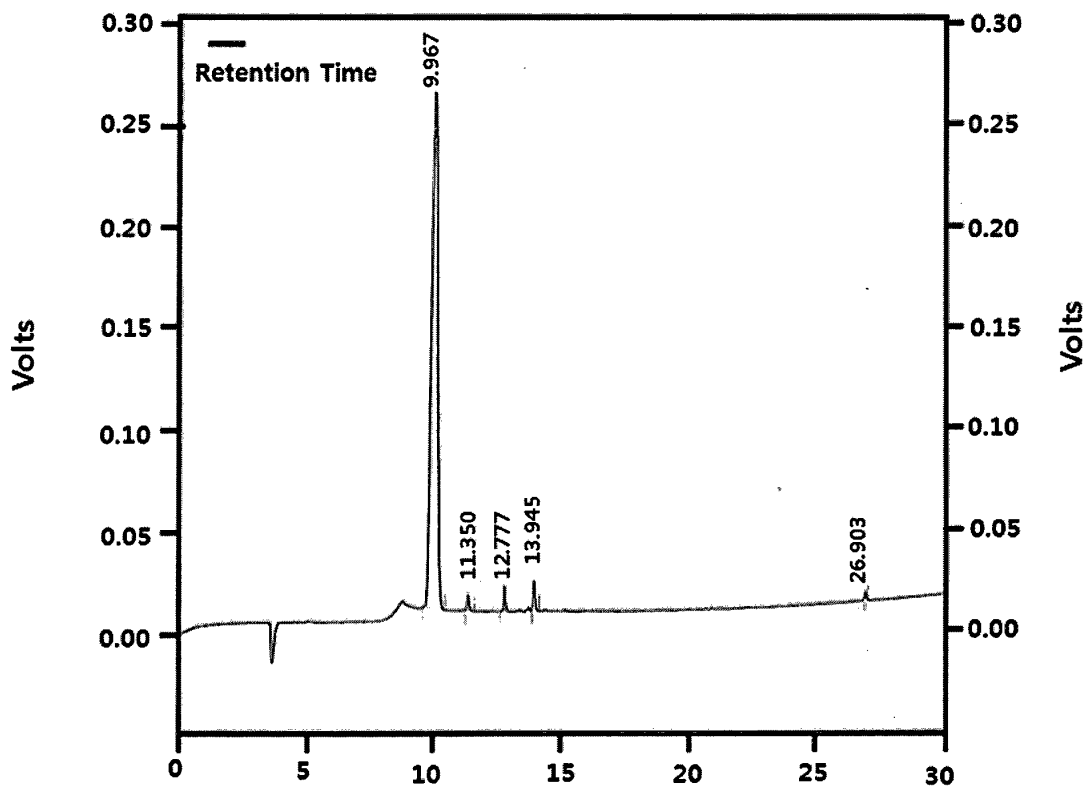
도 61

Shimadzu CLASS-VP V6.14 SP1 new 10AVP

Area % Report

Page of 1

Sample ID : K171871 (YDE-059)



Detector A		Minutes		
(230nm)	Pk #	Retention Time	Area	Area %
	1	9.967	4241746	95.874
	2	11.350	40399	0.913
	3	12.777	52325	1.183
	4	13.945	74918	1.693
	5	26.903	14911	0.337
Totals			4424299	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

도 62

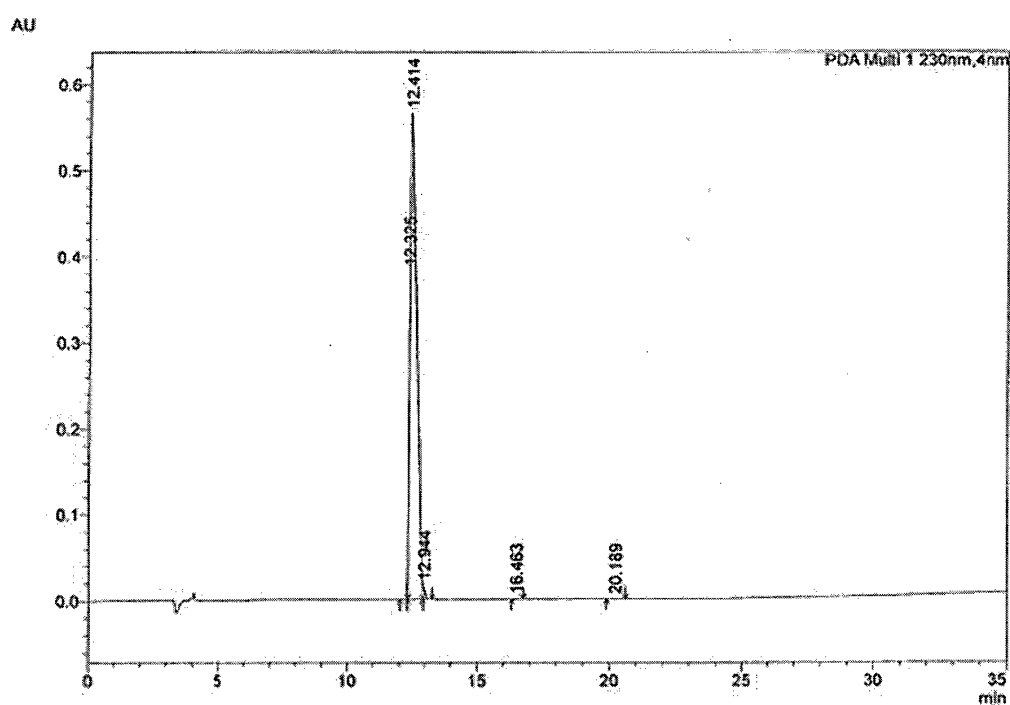


Analysis Report

<Sample Information>

Sample Name : K171872 (YDE-060)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	12.325	21419	0.202
2	12.414	10477432	98.960
3	12.944	77001	0.727
4	16.463	6326	0.060
5	20.189	5396	0.051
Total		10587574	100.000

도 63

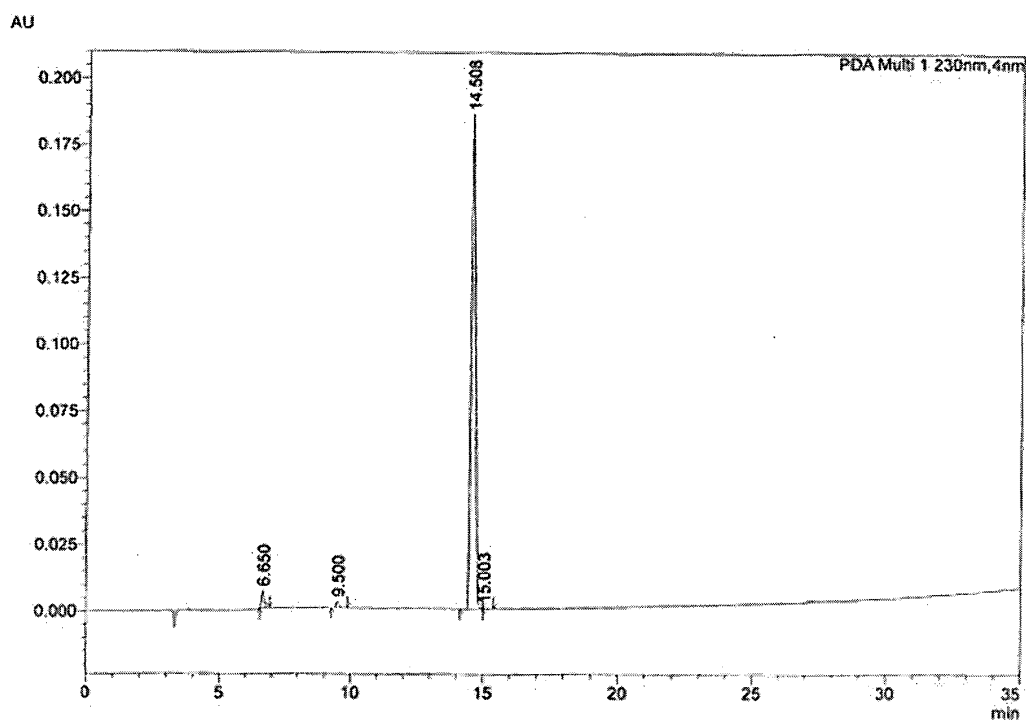
SHIMADZU
LabSolutions

Analysis Report

<Sample Information>

Sample Name :K171987(YDE-064)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

Peak#	Ret. Time	Area	Area%
1	6.650	45425	2.187
2	9.500	15738	0.758
3	14.508	2014246	96.975
4	15.003	1669	0.080
Total		2077077	100.000

도 64

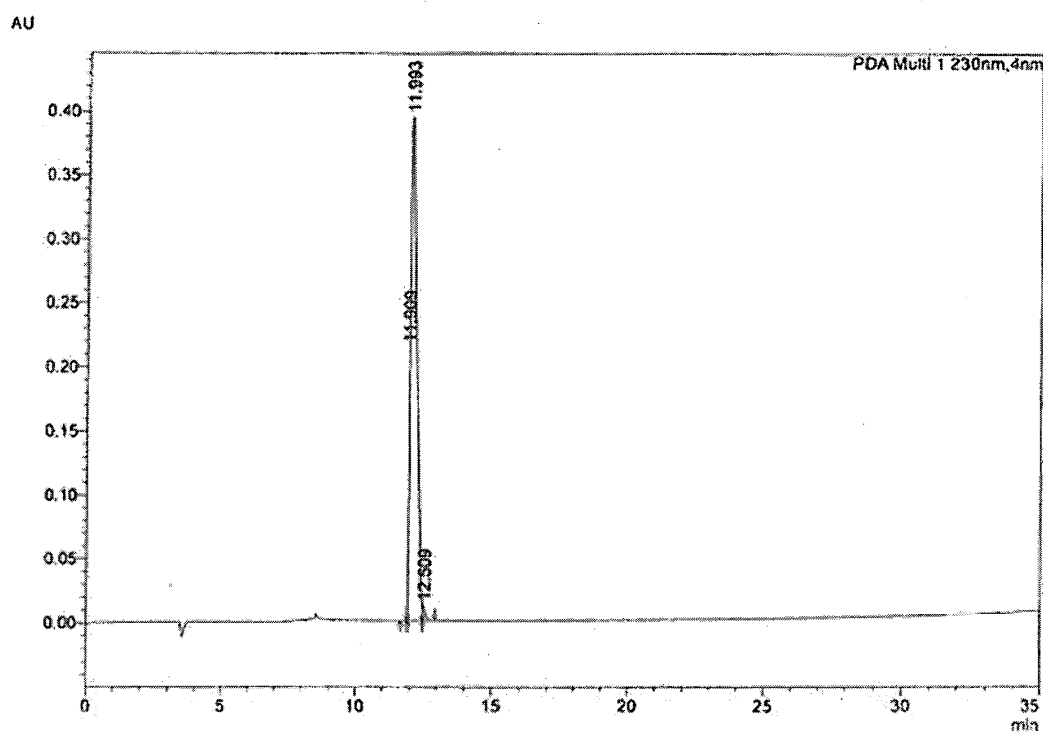


Analysis Report

<Sample Information>

Sample Name :K171989 (YDE-066)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

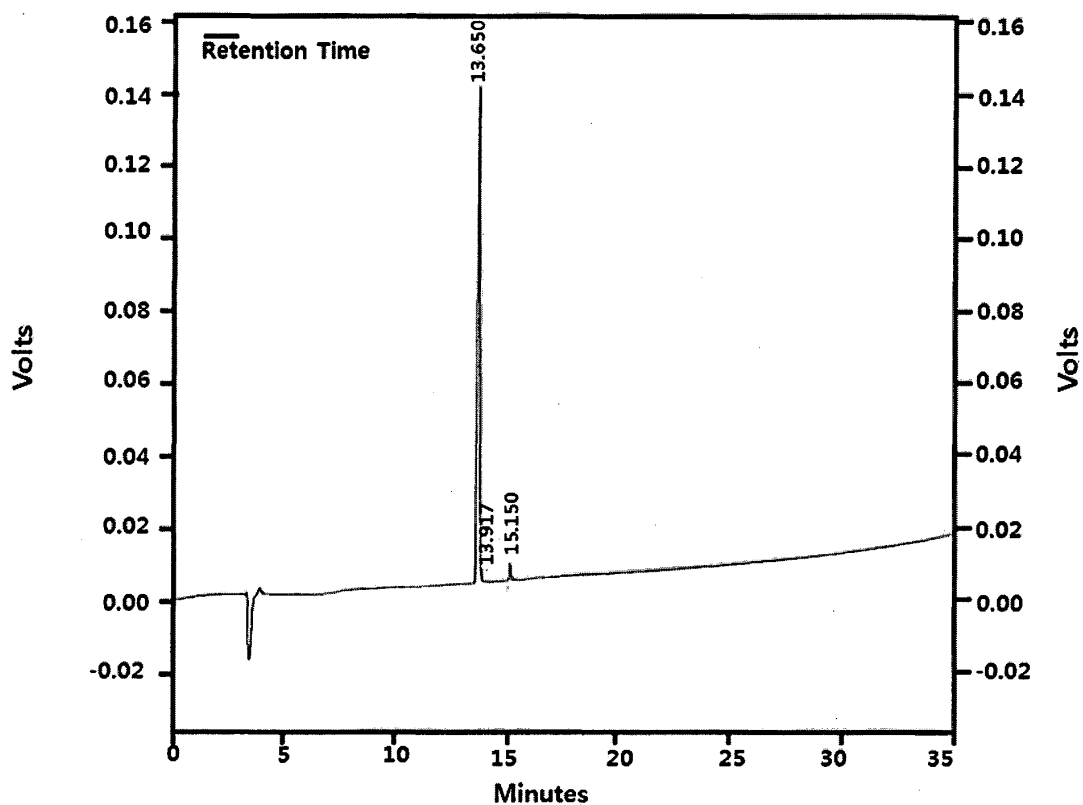
Peak#	Ret. Time	Area	Area%
1	11.909	1016	0.016
2	11.993	6411284	98.801
3	12.509	76758	1.183
Total		6489058	100.000

도 65

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K180115 (YDE-072)



Detector A

(230nm)

Pk #	Retention Time	Area	Area %
1	13.650	1120198	97.732
2	13.917	1749	0.153
3	15.150	24243	2.115
Totals		1146190	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

도 66

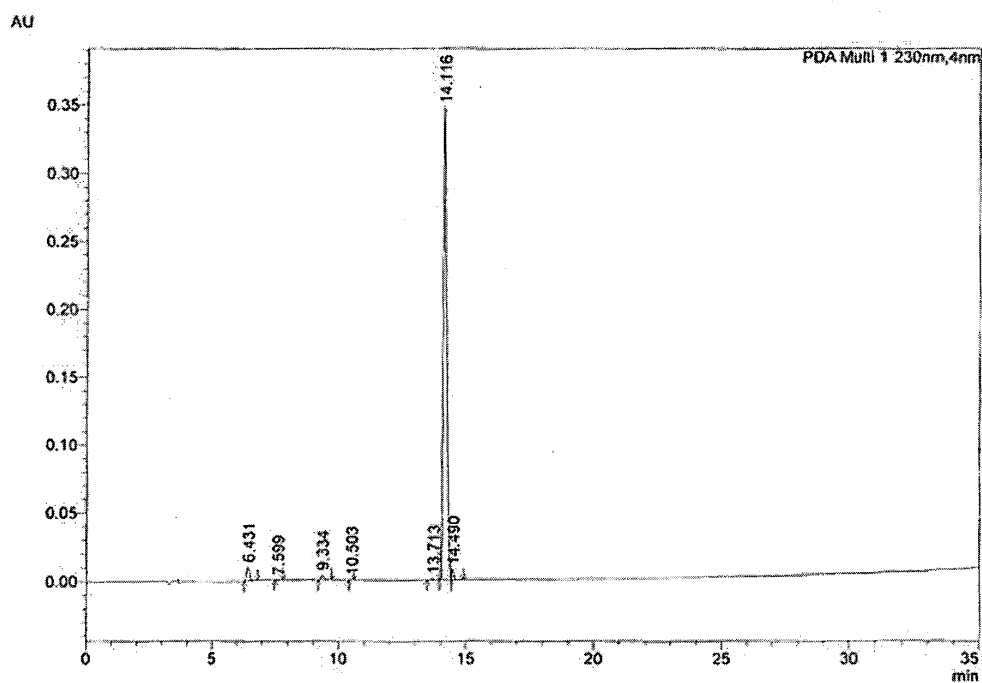


Analysis Report

<Sample Information>

Sample Name :K180116 (YDE-073)

<Chromatogram>



<Peak Table>

PDA Ch1 230nm

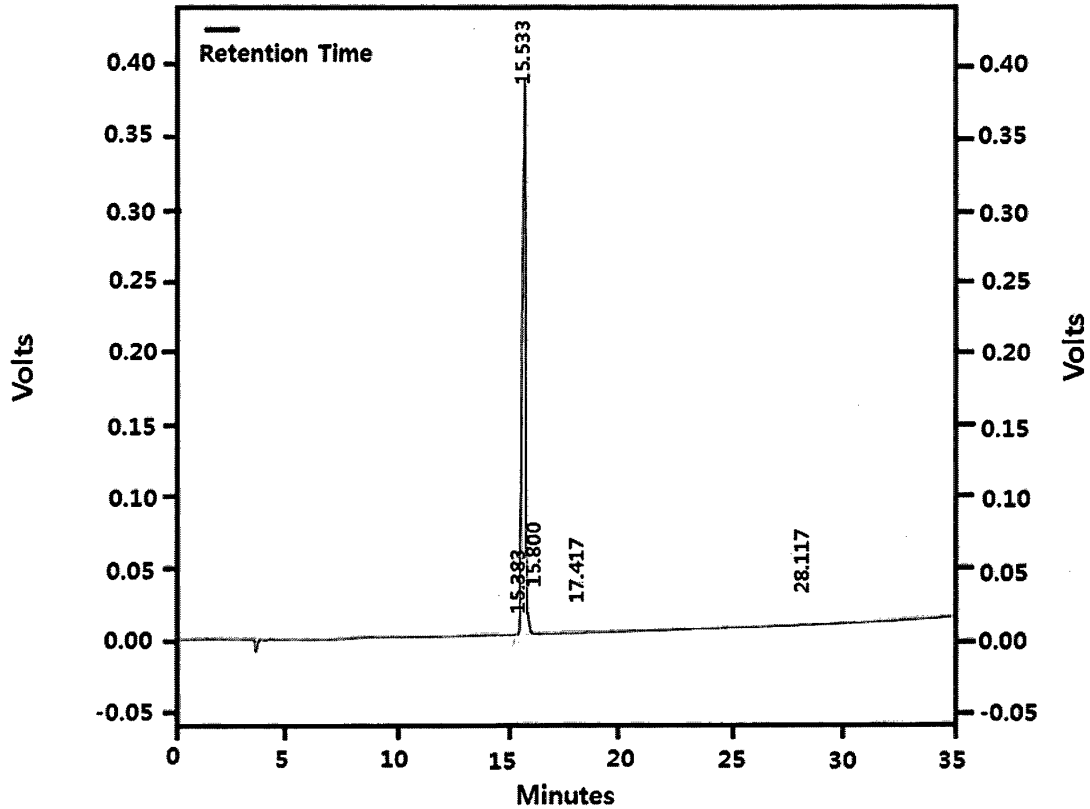
Peak#	Ret. Time	Area	Area%
1	6.431	84808	2.497
2	7.599	2612	0.077
3	9.334	26801	0.789
4	10.503	2243	0.066
5	13.713	11180	0.329
6	14.116	3228240	95.033
7	14.490	41081	1.209
Total		3396964	100.000

도 67

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K180117 (YDE-074)



Detector A

(230nm) Pk #	Retention Time	Area	Area %
1	15.383	1715	0.042
2	15.533	3991816	97.947
3	15.800	78057	1.915
4	17.417	1505	0.037
5	28.117	2389	0.059

Totals		4075482	100.000
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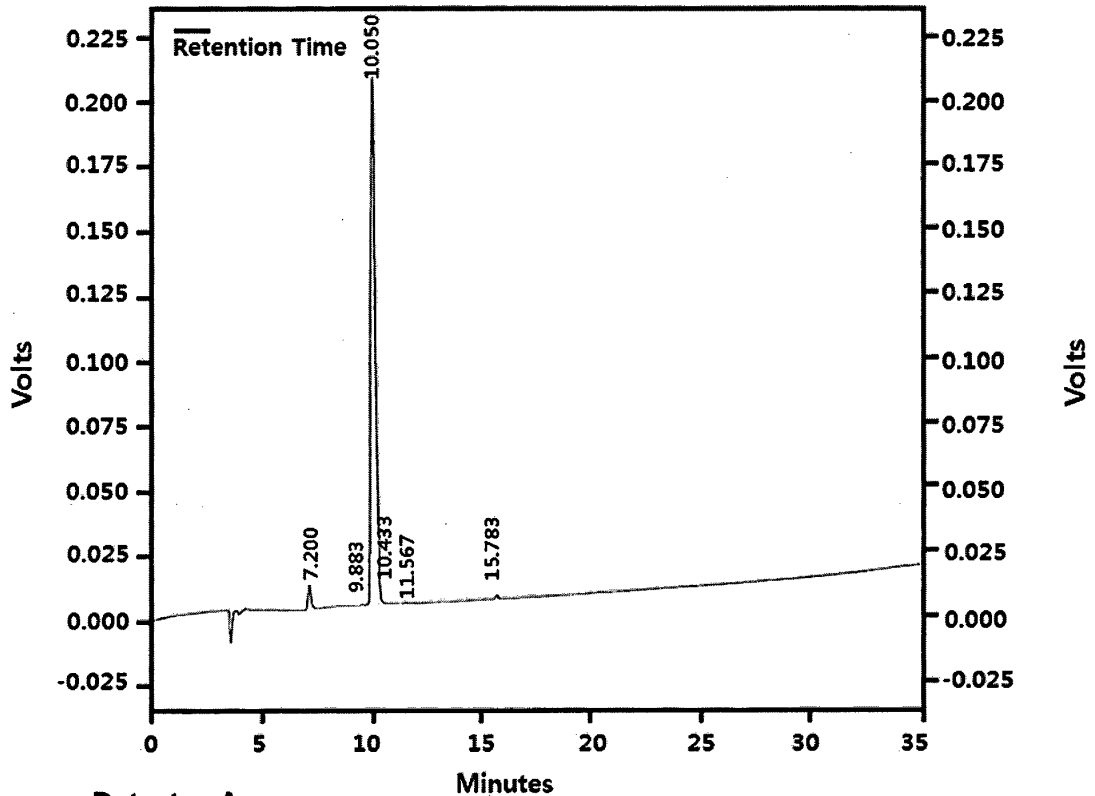
RECTIFIED SHEET (RULE 91) ISA/KR

도 68

Shimadzu CLASS-VP V6.14 SP1 20A_prep

Area % Report

Sample ID : K180118 (YDE-075)



Detector A

(230nm) Pk #

Retention Time

Area

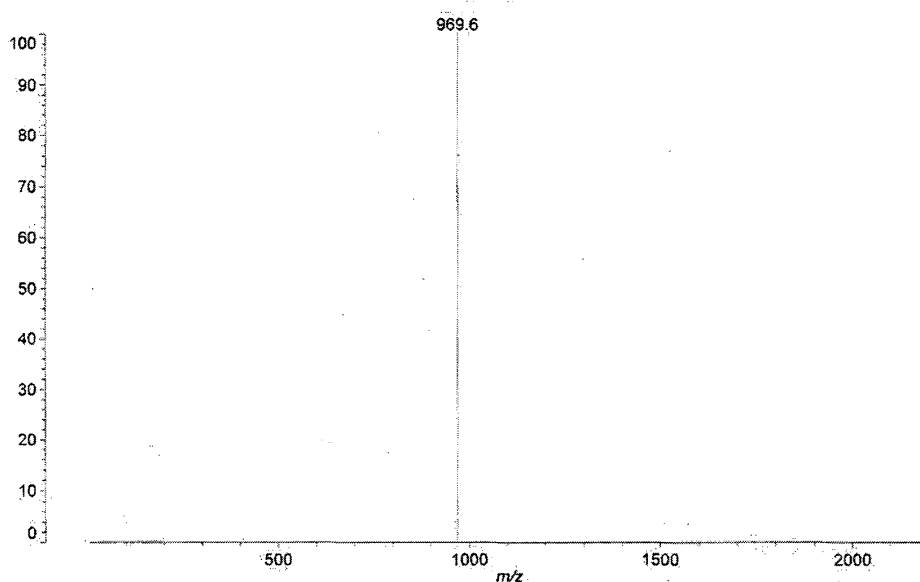
Area %

1	7.200	87289	2.762
2	9.883	1976	0.063
3	10.050	3045468	96.361
4	10.433	11869	0.376
5	11.567	3797	0.120
6	15.783	10067	0.319
Totals		3160466	100.000

RECTIFIED SHEET (RULE 91) ISA/KR

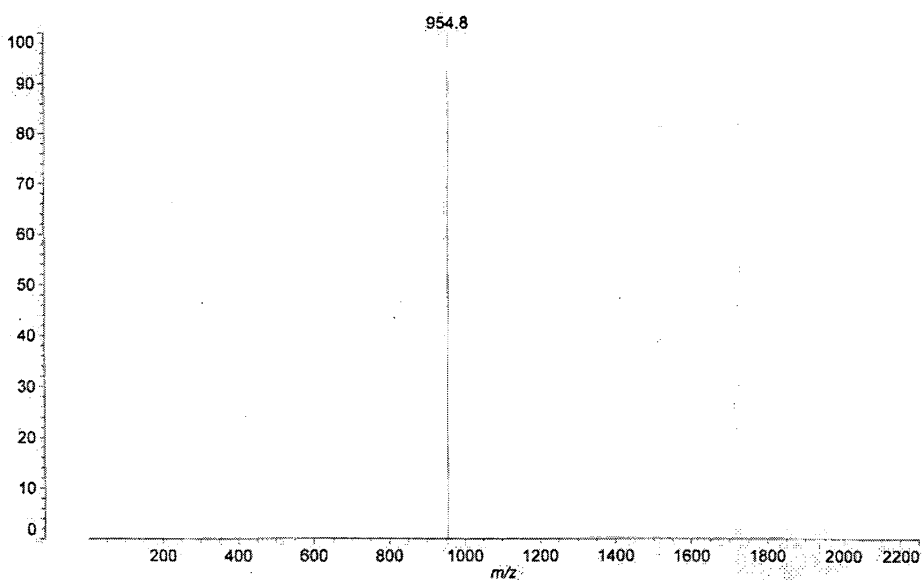
도 69

Anygen
K161389
Data: <Untitled>.L9[c] 26 Sep 2016 12:56 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 29, P.Ext. @ 1000 (bin 56)
%Int. 223 mV Profiles 1-7: Threshold 25% Centroid [Adaptive]



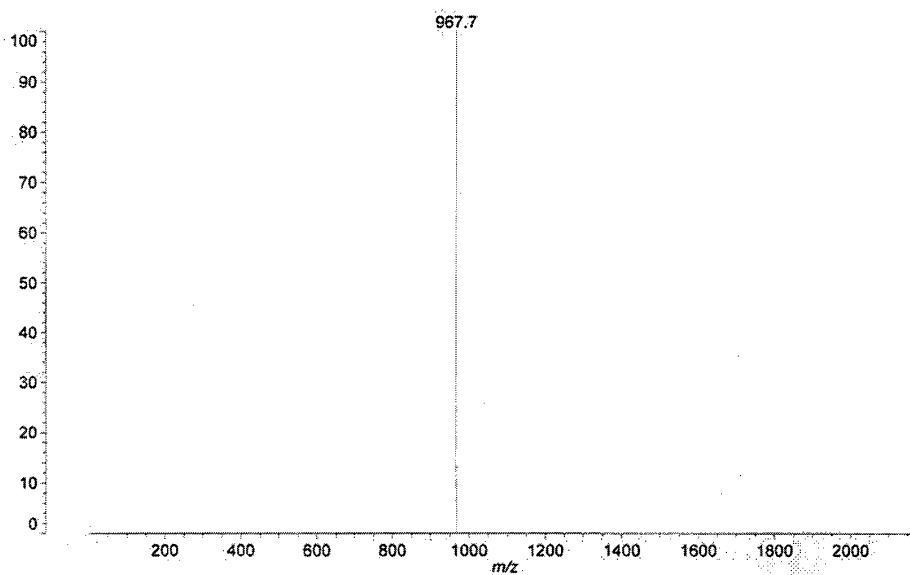
도 70

Anygen
K161390
Data: <Untitled>.K9[c] 26 Sep 2016 12:56 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 29, P.Ext. @ 1000 (bin 56)
%Int. 196 mV Profiles 1-14: Threshold 25% Centroid [Adaptive]



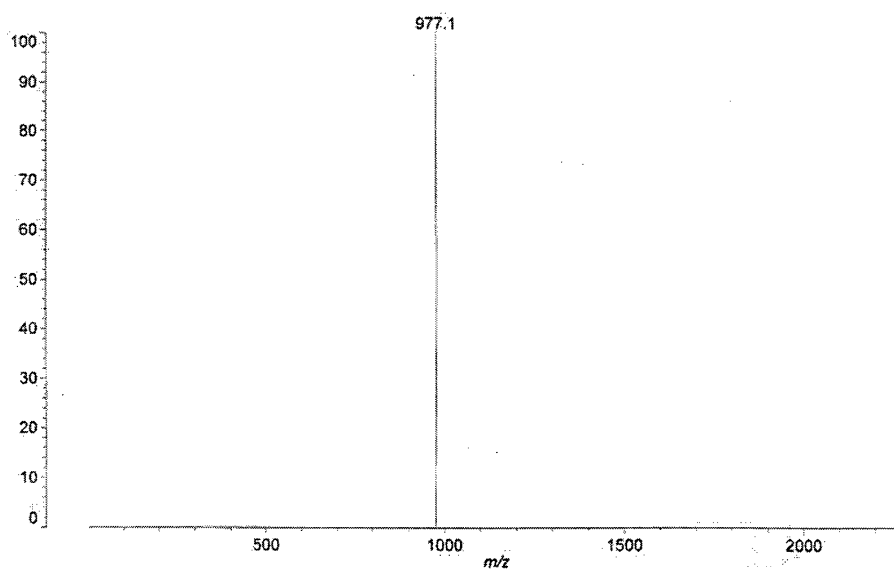
도 71

Anygen
K161391
Data: <Untitled> E13[c] 27 Sep 2016 10:13 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 30, P.Ext. @ 1000 (bin 56)
%Int. 117 mV Profiles 1-15: Threshold 25% Centroid [Adaptive]



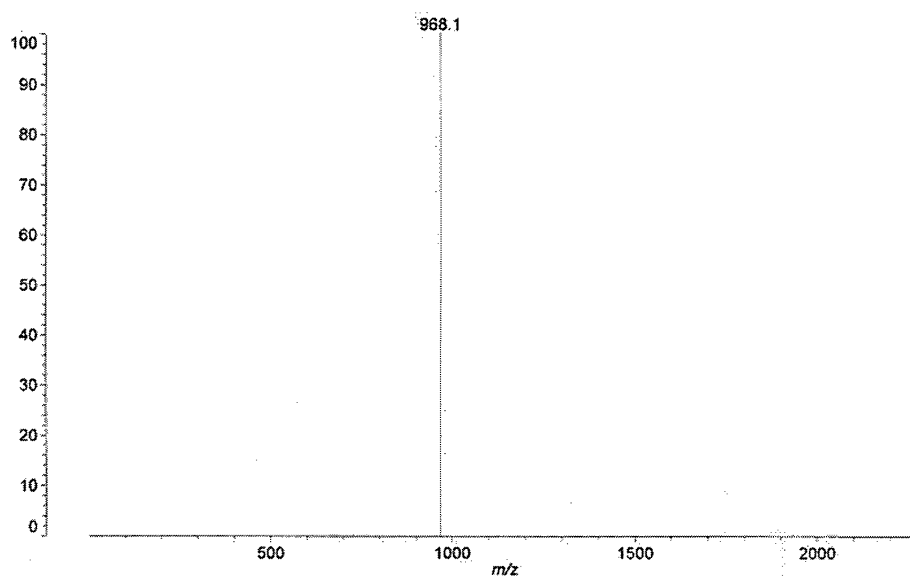
도 72

Anygen
K161392
Data: <Untitled> F13[c] 27 Sep 2016 10:15 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 30, P.Ext. @ 1000 (bin 56)
%Int. 1974 mV Profiles 1-6: Threshold 25% Centroid [Adaptive]



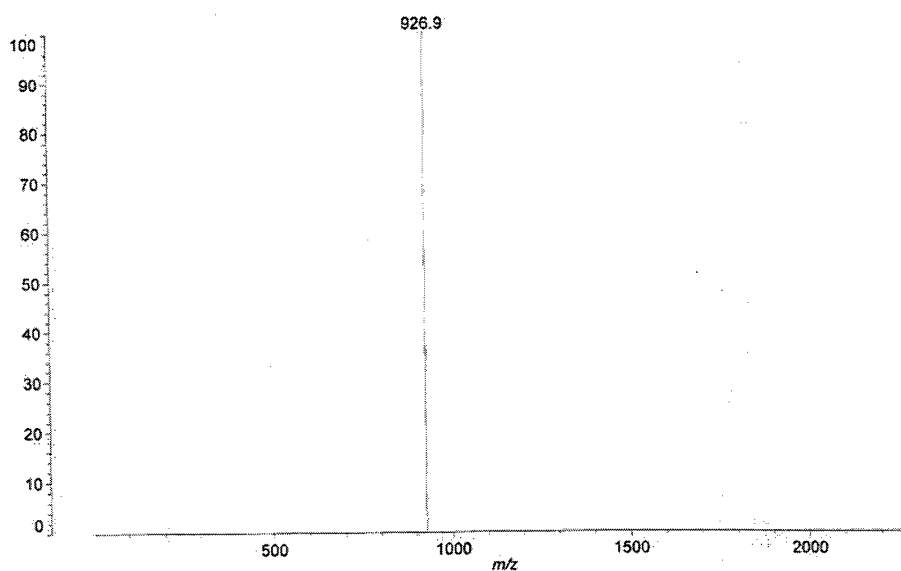
도 73

Anygen
K161393
Data: K161393-0002.G13[c] 27 Sep 2016 10:15 Cal: 400-4000 24 Jun 2015 9:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 30, P.Ext. @ 1000 (bin 56)
%Int. 147 mV Profiles 1-24: Threshold 25% Centroid [Adaptive]



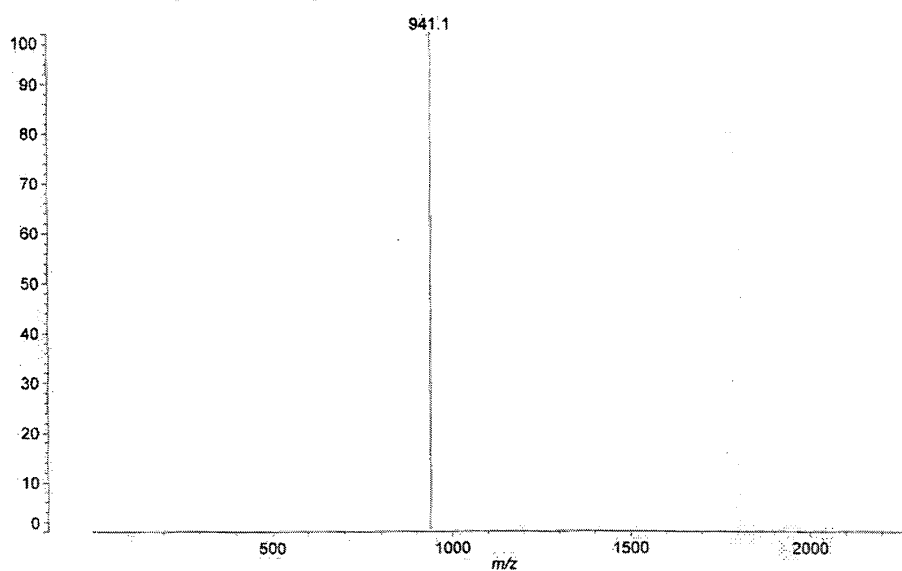
도 74

Anygen
K161394
Data: K161394-0002.H13[c] 27 Sep 2016 10:16 Cal: 400-4000 24 Jun 2015 9:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 39, P.Ext. @ 1000 (bin 56)
%Int. 168 mV Profiles 1-51: Threshold 25% Centroid [Adaptive]



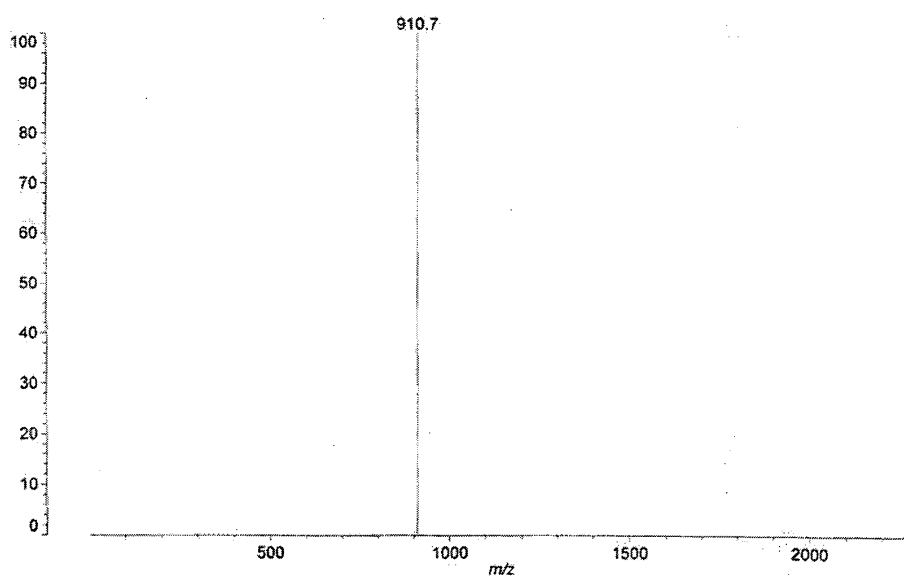
도 75

Anygen
K161395
Data: K161395-0002.113[c] 27 Sep 2016 10:16 Cal: 400-4000 24 Jun 2015 9:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 39, P.Ext. @ 1000 (bin 56)
%Int. 303 mV Profiles 1-56: Threshold 25% Centroid [Adaptive]



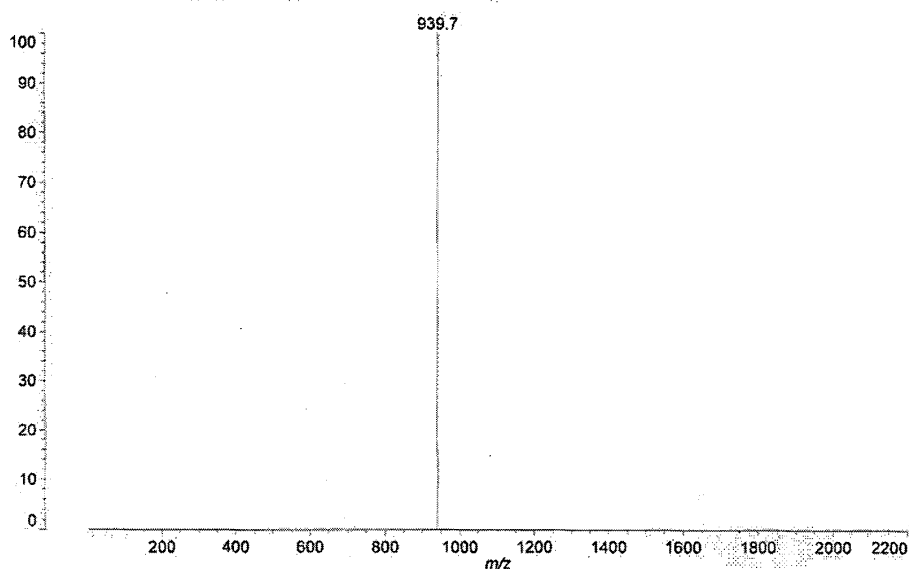
도 76

Anygen
K161396
Data: K161396-0002.J13[c] 27 Sep 2016 10:17 Cal: 400-4000 24 Jun 2015 9:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 39, P.Ext. @ 1000 (bin 56)
%Int. 510 mV Profiles 1-10: Threshold 25% Centroid [Adaptive]



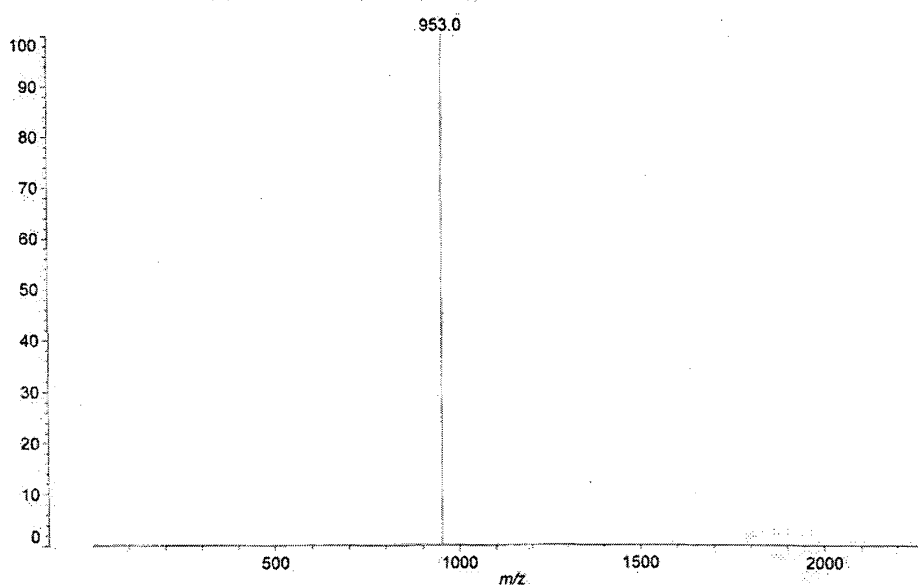
도 77

Anygen
K161397
Data: <Untitled>.J9[c] 26 Sep 2016 12:56 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 29, P.Ext. @ 1000 (bin 56)
%Int. 55 mV Profiles 1-14: Threshold 25% Centroid [Adaptive]



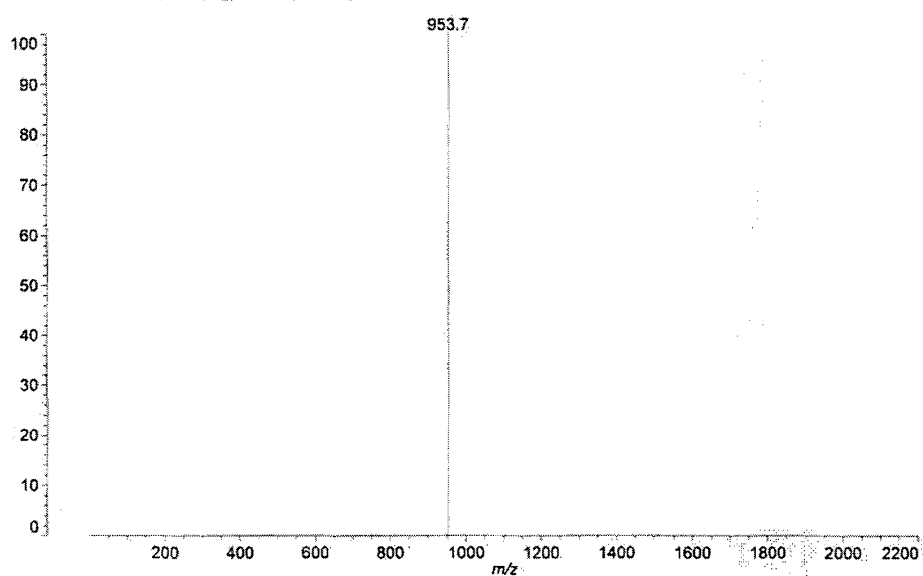
도 78

Anygen
K161398
Data: K161398-0001.K13[c] 27 Sep 2016 10:18 Cal: 400-4000 24 Jun 2015 9:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 31, P.Ext. @ 1000 (bin 56)
%Int. 30 mV Profiles 1-53: Threshold 25% Centroid [Adaptive]



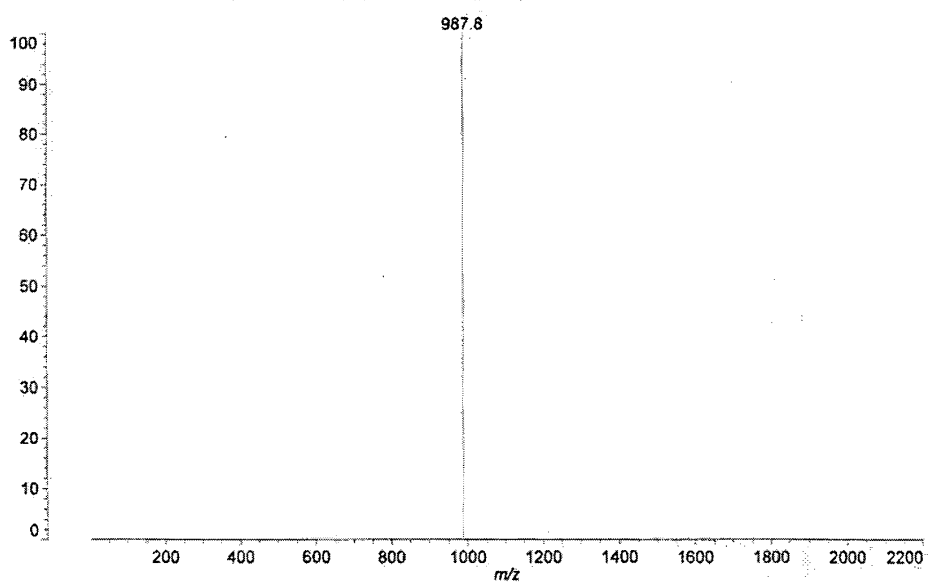
도 79

Anygen
K161399
Data: <Untitled>.I9[c] 26 Sep 2016 12:55 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 29, P.Ext. @ 1000 (bin 56)
%Int. 11 mV Profiles 1-52: Threshold 25% Centroid [Adaptive]



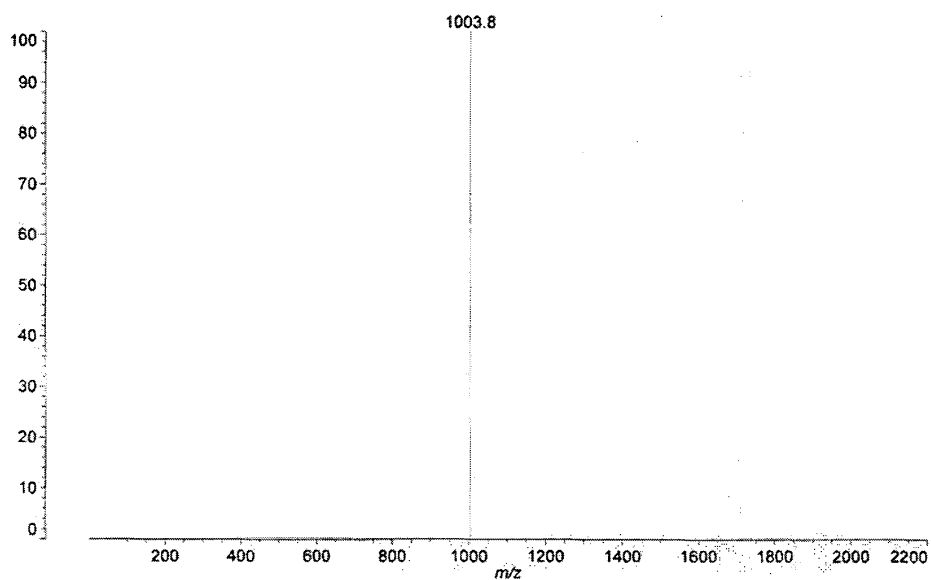
도 80

Anygen
K161400
Data: <Untitled>.H9[c] 26 Sep 2016 12:55 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 29, P.Ext. @ 1000 (bin 56)
%Int. 179 mV Profiles 1-73: Threshold 25% Centroid [Adaptive]



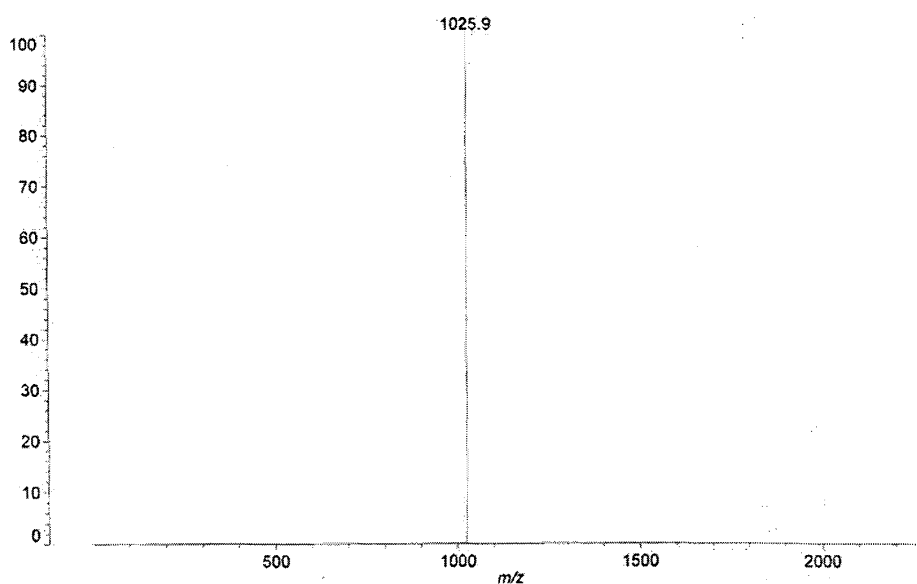
도 81

Anygen
K161401
Data: <Untitled>.G9[c] 26 Sep 2016 12:54 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 29, P.Ext. @ 1000 (bin 56)
%Int. 295 mV Profiles 1-7: Threshold 25% Centroid [Adaptive]



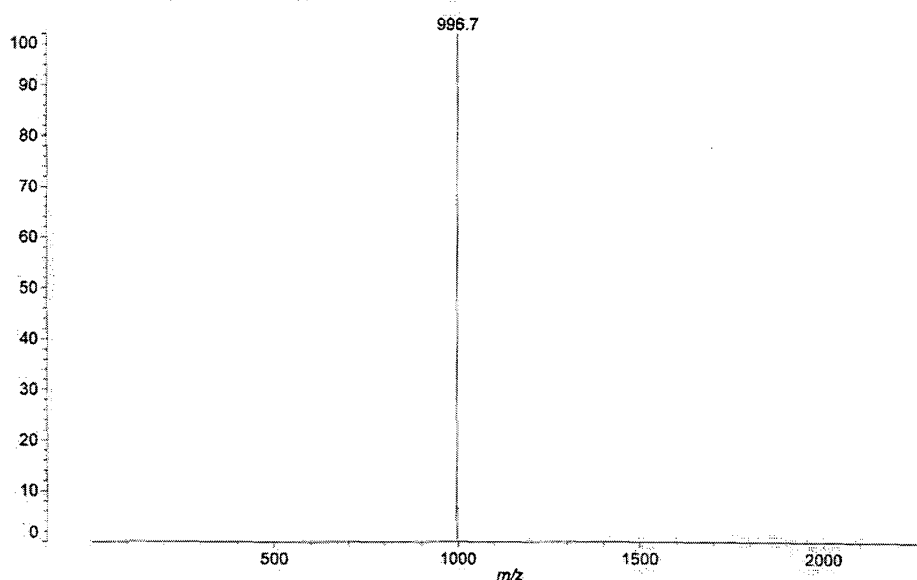
도 82

Anygen
K161402
Data: K161402-0001.L13[c] 27 Sep 2016 10:18 Cal: 400-4000 24 Jun 2015 9:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 34, P.Ext. @ 1000 (bin 56)
%Int. 309 mV Profiles 1-7: Threshold 25% Centroid [Adaptive]



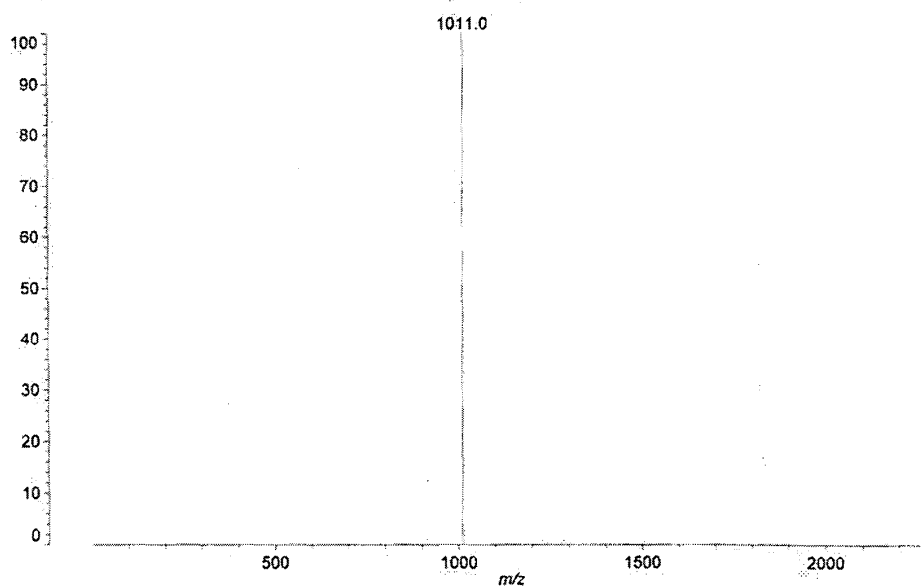
도 83

Anygen
K161403
Data: <Untitled>.M13[c] 27 Sep 2016 10:18 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 34, P.Ext. @ 1000 (bin 56)
%Int. 19 mV Profiles 1-101: Threshold 25% Centroid [Adaptive]



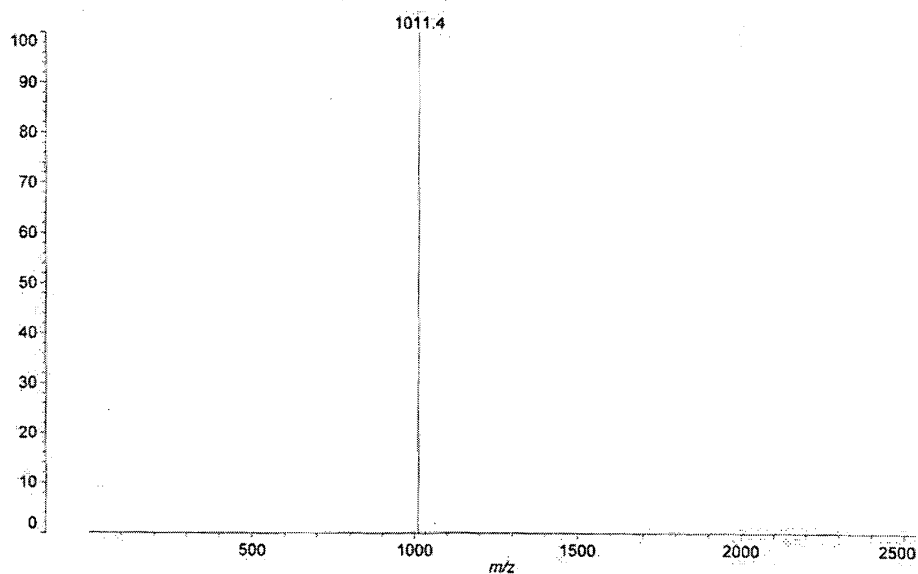
도 84

Anygen
K161404
Data: K161404-0001.N13[c] 27 Sep 2016 10:19 Cal: 400-4000 24 Jun 2015 9:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 40, P.Ext. @ 1000 (bin 56)
%Int. 162 mV Profiles 1-85: Threshold 25% Centroid [Adaptive]



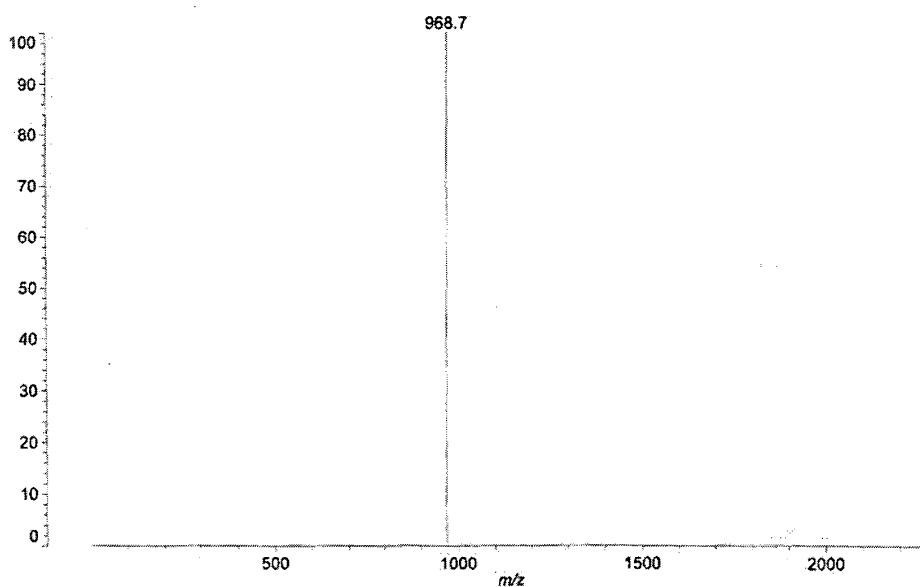
도 85

Anygen
K161405
Data: <Untitled>.M16[c] 28 Sep 2016 13:09 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 22, P.Ext. @ 1000 (bin 56)
%Int. 64 mV, Profiles 1-106: Threshold 25% Centroid [Adaptive]



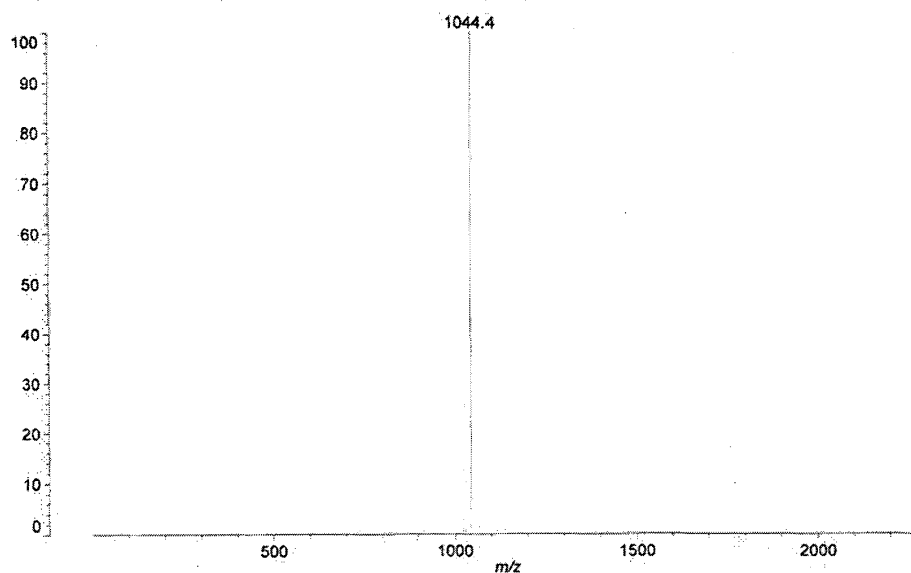
도 86

Anygen
K161406
Data: <Untitled>.O13[c] 27 Sep 2016 10:20 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 37, P.Ext. @ 1000 (bin 56)
%Int. 25 mV, Profiles 1-55: Threshold 25% Centroid [Adaptive]



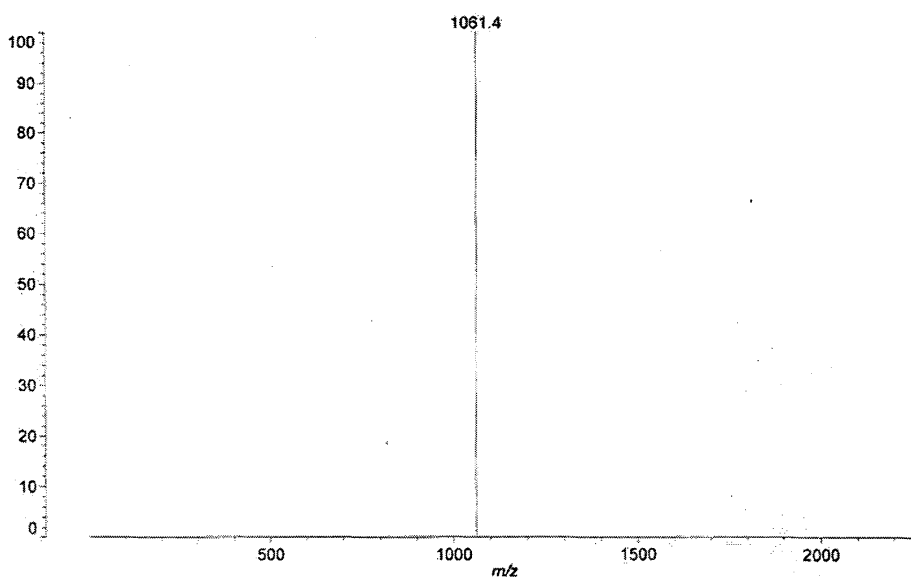
도 87

Anygen
K161407
Data: <Untitled>.P13[c] 27 Sep 2016 10:20 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 37, P.Ext. @ 1000 (bin 56)
%Int. 337 mV Profiles 1-132: Threshold 25% Centroid [Adaptive]



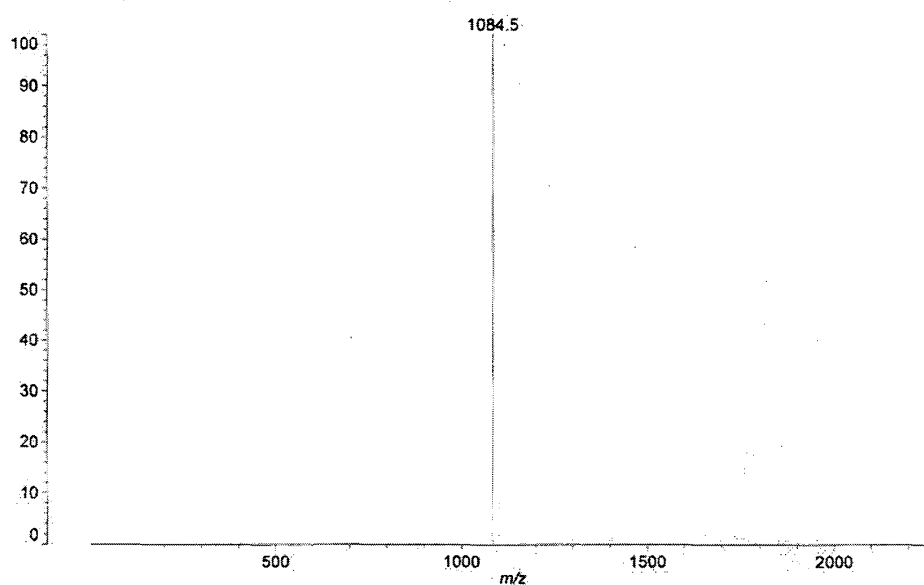
도 88

Anygen
K161408
Data: <Untitled>.O7[c] 26 Sep 2016 12:48 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 33, P.Ext. @ 1000 (bin 56)
%Int. 405 mV Profiles 1-40: Threshold 25% Centroid [Adaptive]



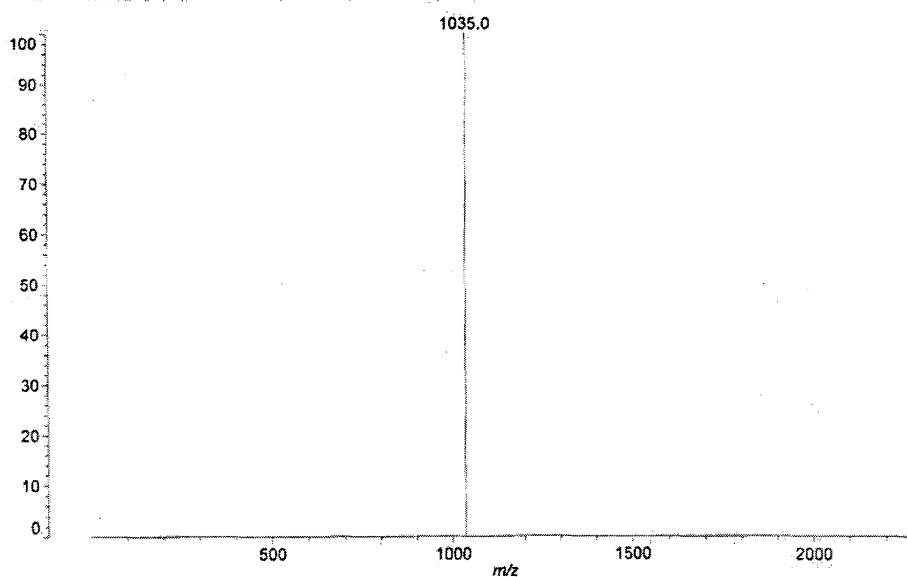
도 89

Anygen
K161409
Data: <Untitled>.N7[c] 26 Sep 2016 12:48 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 33, P.Ext. @ 1000 (bin 56)
%Int. 432 mV Profiles 1-25: Threshold 25% Centroid [Adaptive]



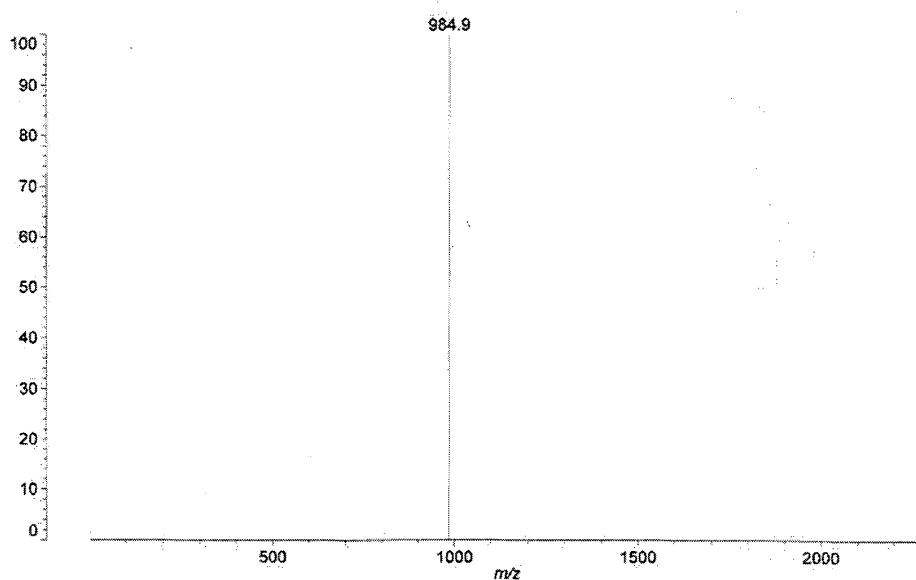
도 90

Anygen
K161410
Data: <Untitled>.E14[c] 27 Sep 2016 10:21 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 37, P.Ext. @ 1000 (bin 56)
%Int. 1132 mV Profiles 1-9: Threshold 25% Centroid [Adaptive]



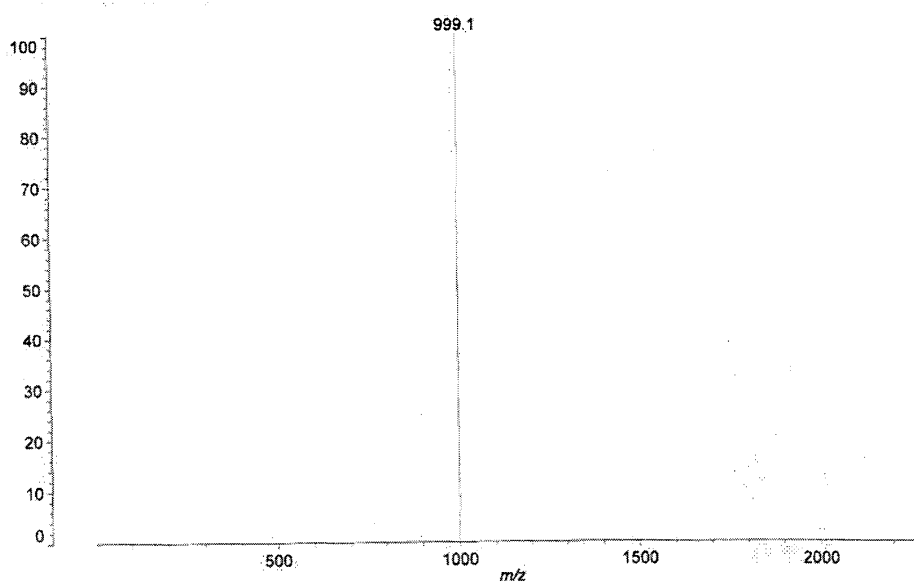
도 91

Anygen
K161411
Data: <Untitled>.F14[c] 27 Sep 2016 10:22 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 37, P.Ext. @ 1000 (bin 56)
%Int. 45 mV Profiles 1-64: Threshold 25% Centroid [Adaptive]



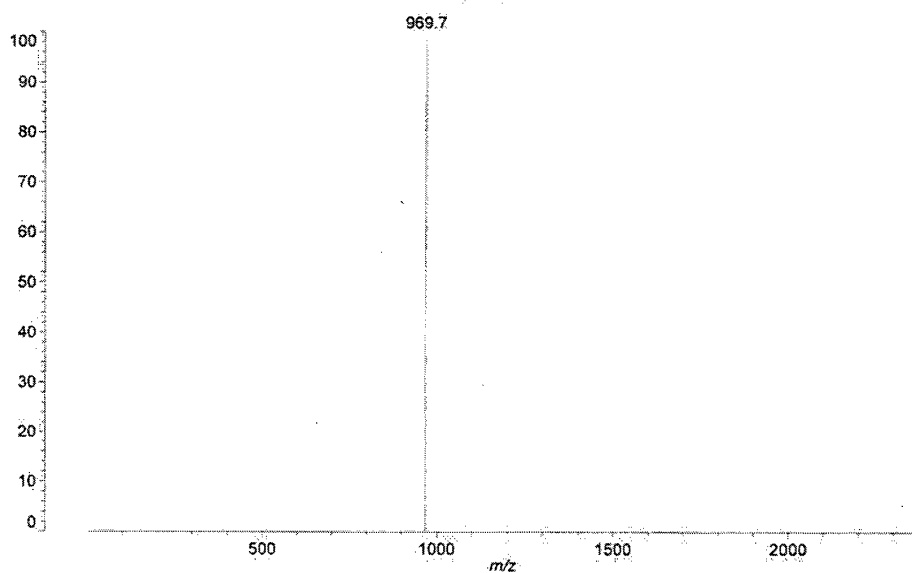
도 92

Anygen
K161412
Data: <Untitled>.G14[c] 27 Sep 2016 10:22 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 37, P.Ext. @ 1000 (bin 56)
%Int. 134 mV Profiles 1-71: Threshold 25% Centroid [Adaptive]



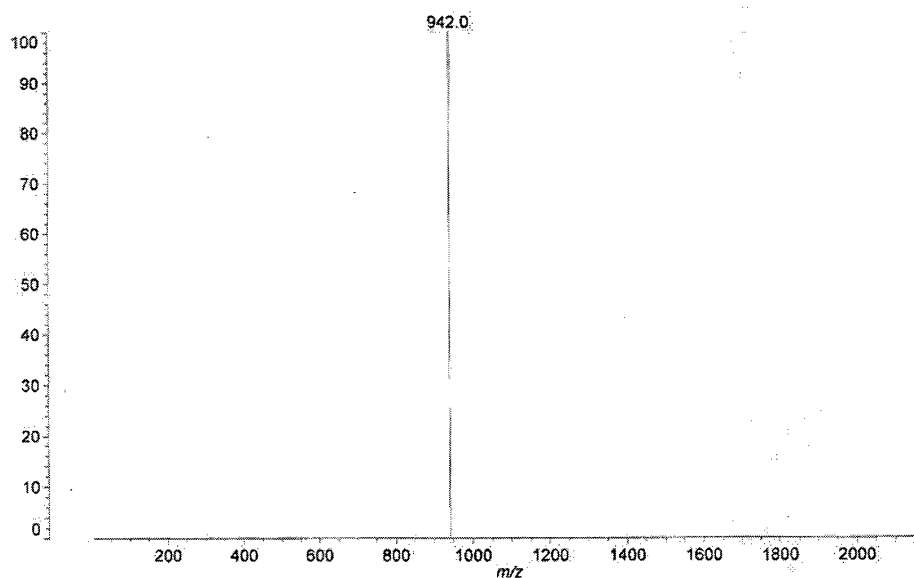
도 93

Anygen
K161413
Data: <Untitled>.I21[c] 13 Oct 2016 14:40 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624; Mode Linear, Power: 35, P.Ext. @ 1000 (bin 56)
%Int. 33 mV Profiles 1-46: Threshold 25% Centroid [Adaptive]



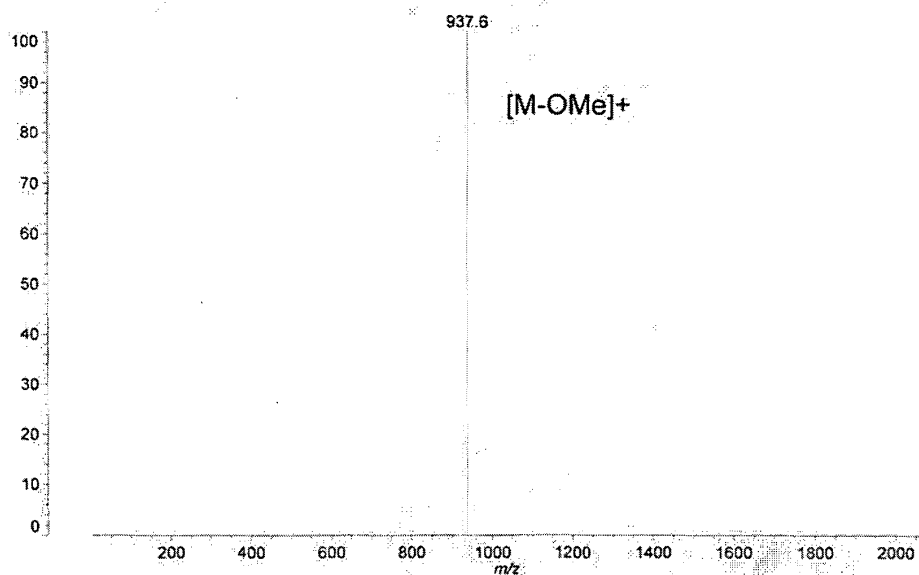
도 94

Anygen
K161414
Data: <Untitled>.M18[c] 27 Oct 2016 14:10 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624; Mode Linear, Power: 37, Blanked, P.Ext. @ 2000 (bin 64)
%Int. 11 mV Profiles 1-27: Threshold 25% Centroid [Adaptive]



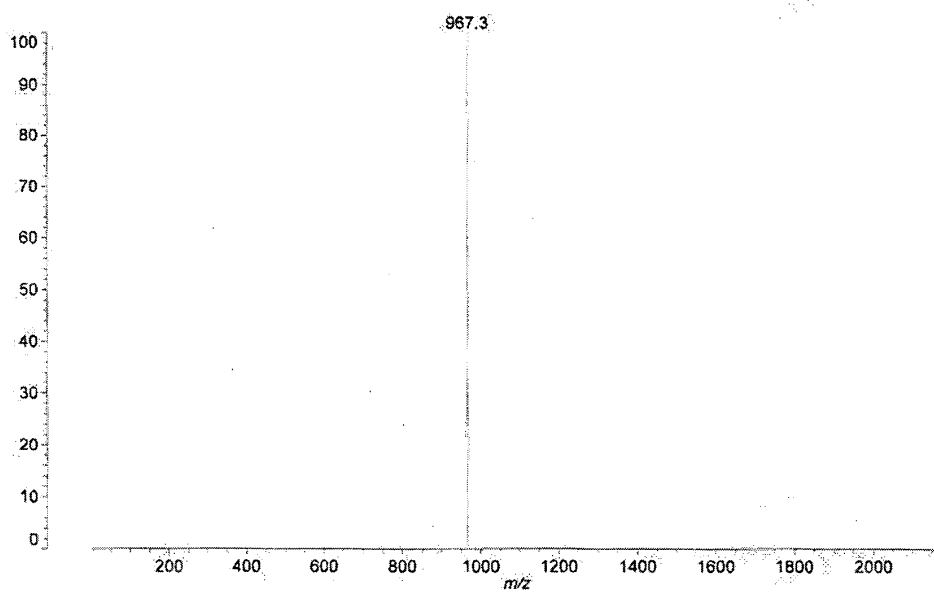
도 95

Anygen
K161415
Data: <Untitled>.A20[c] 3 Nov 2016 15:16 Cal: peptide 25 Oct 2016 15:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 22, P.Ext. @ 1000 (bin 56)
%Int. 422 mV Profiles 1-90: Threshold 25% Centroid [Adaptive]

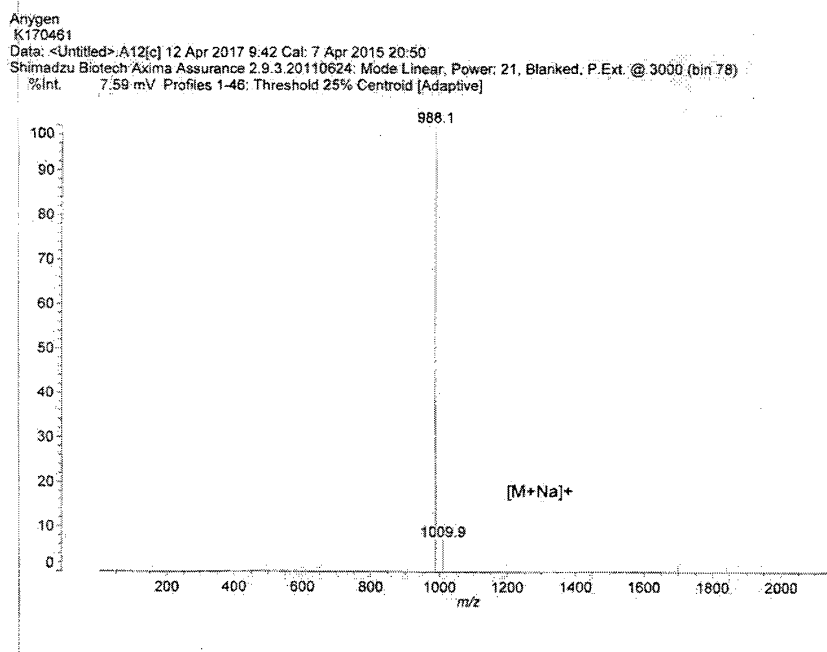


도 96

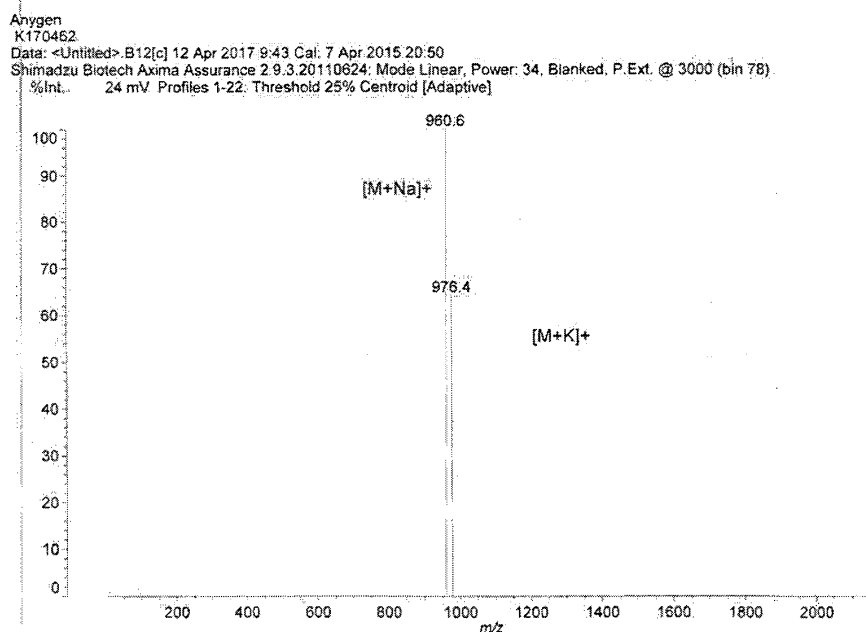
Anygen
K161416
Data: <Untitled>.N18[c] 27 Oct 2016 14:10 Cal: 400-4000 24 Jun 2015 9:11
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 32, Blanked, P.Ext. @ 2000 (bin 64)
%Int. 166 mV Profiles 1-39: Threshold 25% Centroid [Adaptive]



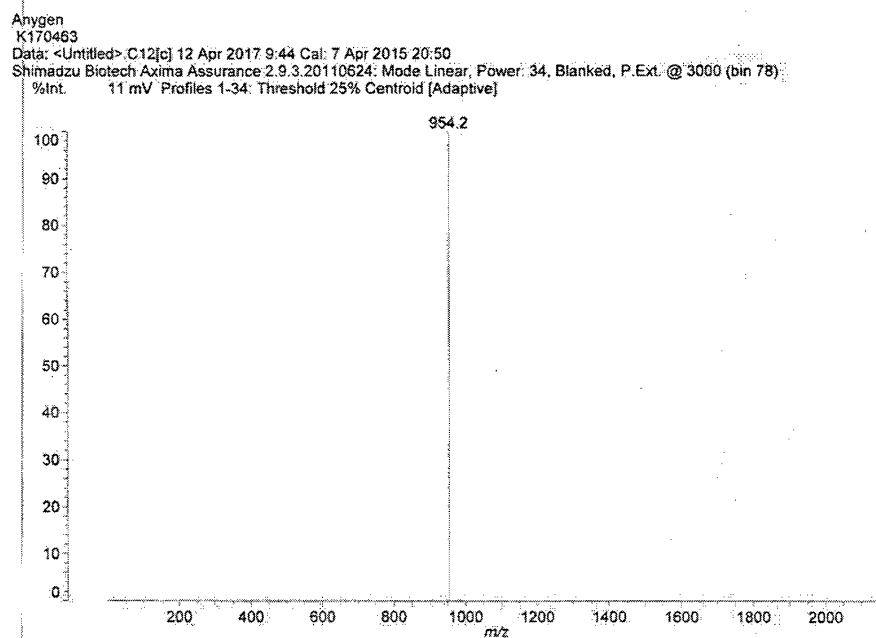
도 97



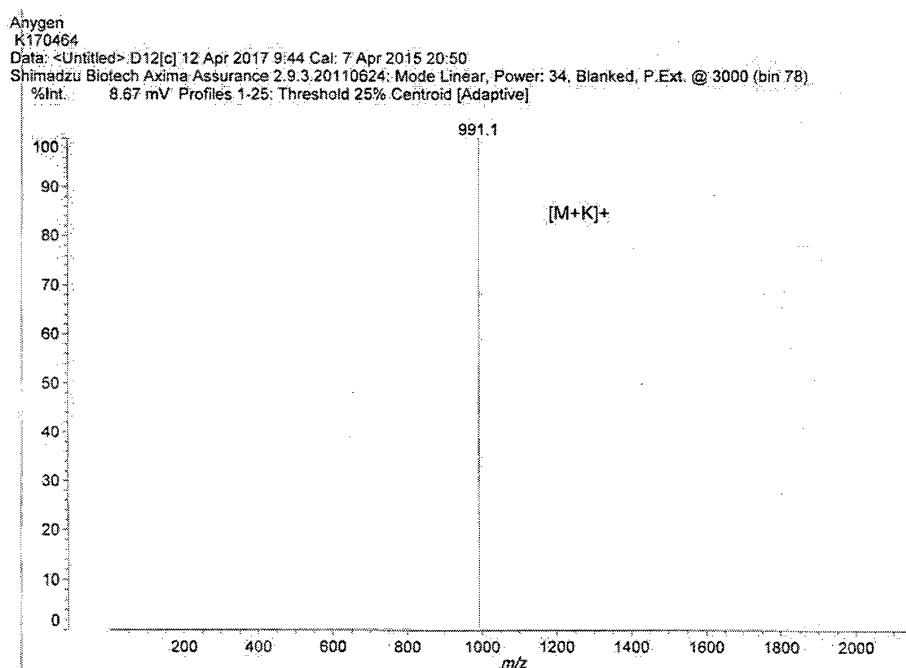
도 98



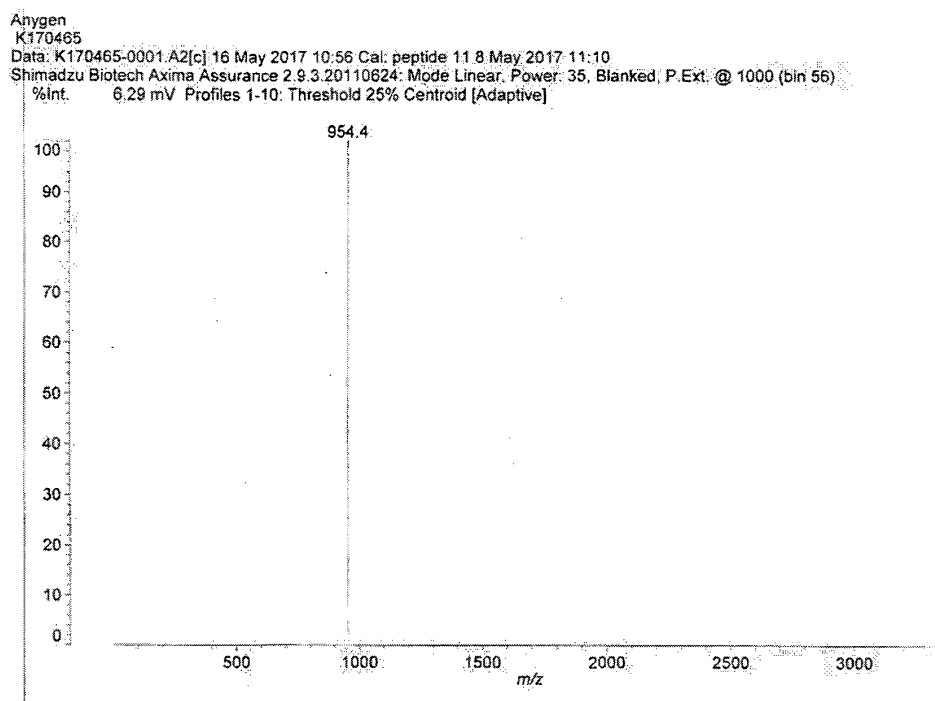
도 99



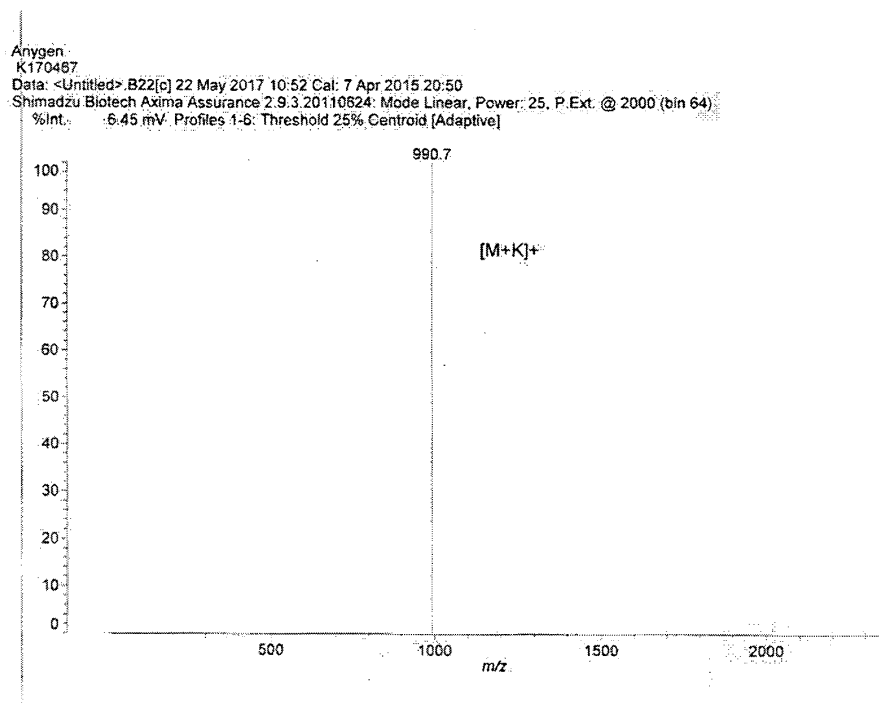
도 100



도 101

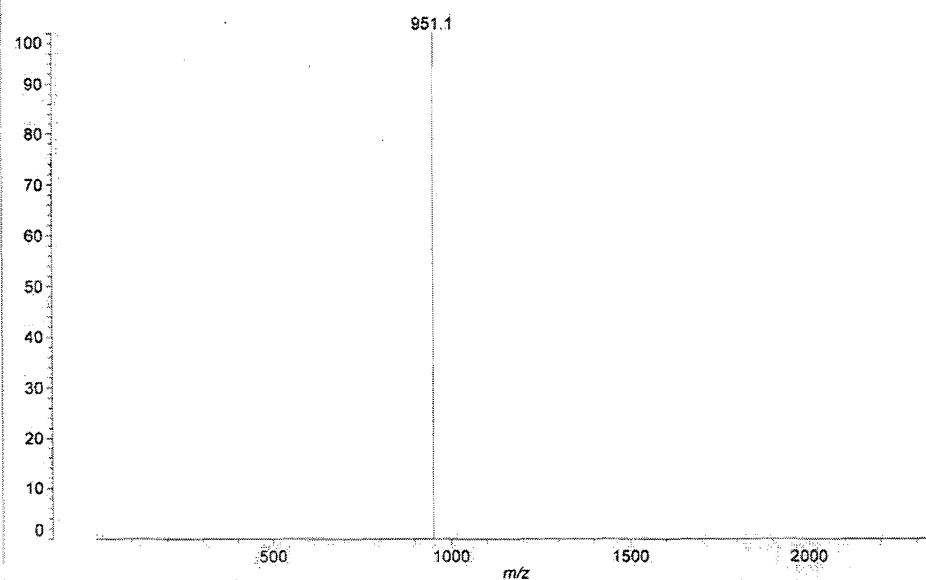


도 102



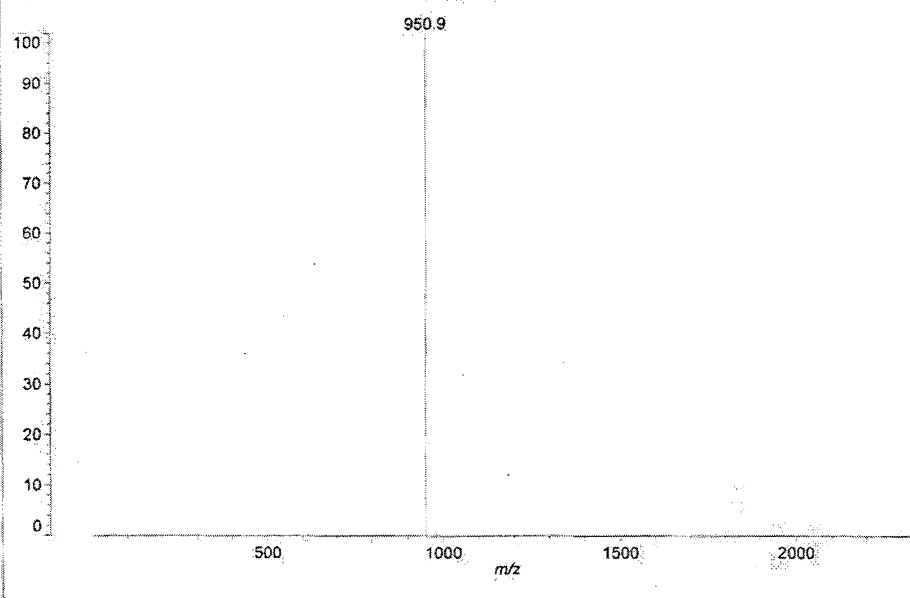
도 103

Anygen
K170468
Data: <Untitled>.C22[c] 22 May 2017 10:52 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 30, P.Ext. @ 2000 (bin 64)
%Int. 1.73 mV Profiles 1-42: Threshold 25% Centroid [Adaptive]



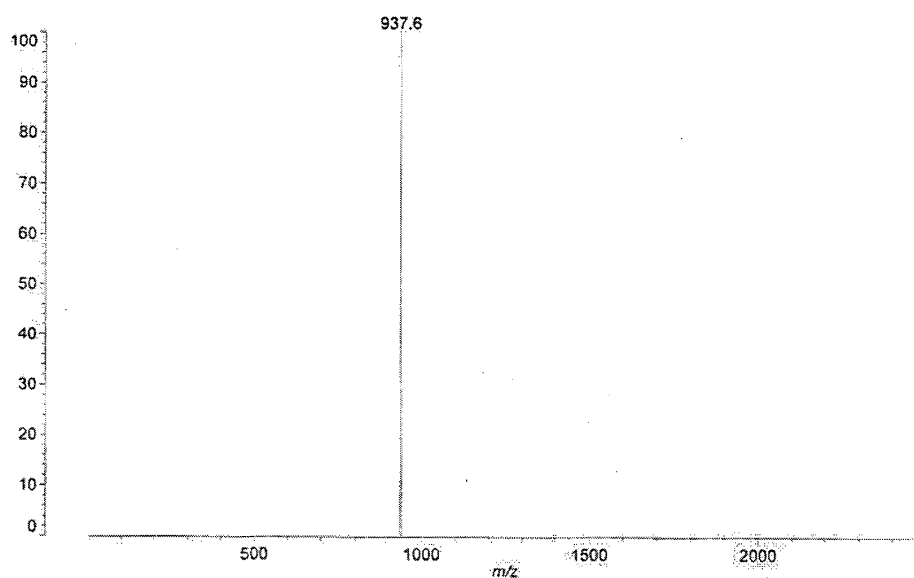
도 104

Anygen
K170469
Data: <Untitled>.D22[c] 22 May 2017 10:53 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 30, P.Ext. @ 2000 (bin 64)
%Int. 24 mV Profiles 1-5: Threshold 25% Centroid [Adaptive]



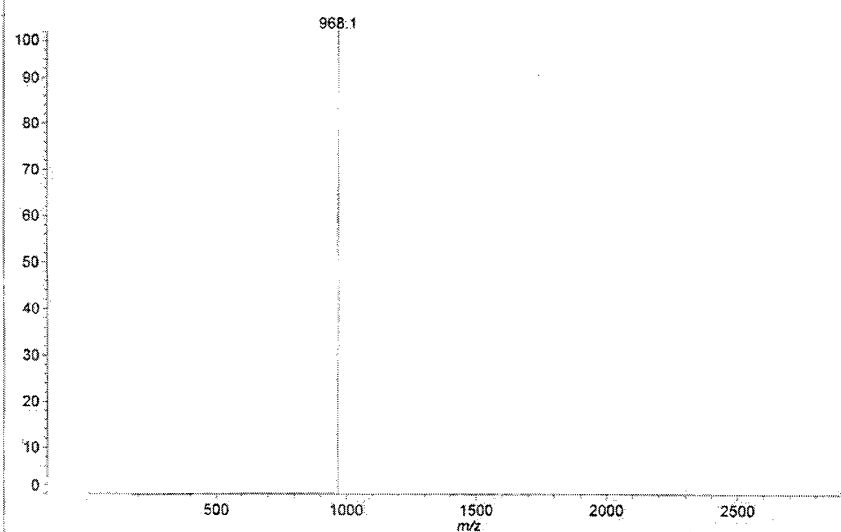
도 105

Anygen
K170470
Data: <Untitled>.F12[c] 12 Apr 2017 9:46 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 26, Blanked, P.Ext. @ 3000 (bin 78)
%Int. 44 mV Profiles 1-22: Threshold 25% Centroid [Adaptive]

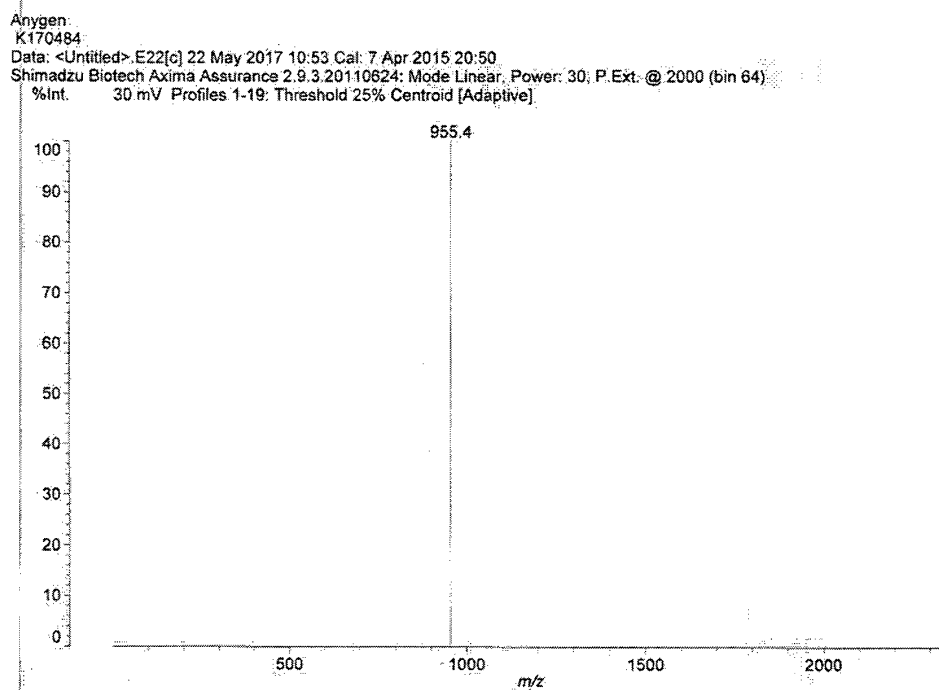


도 106

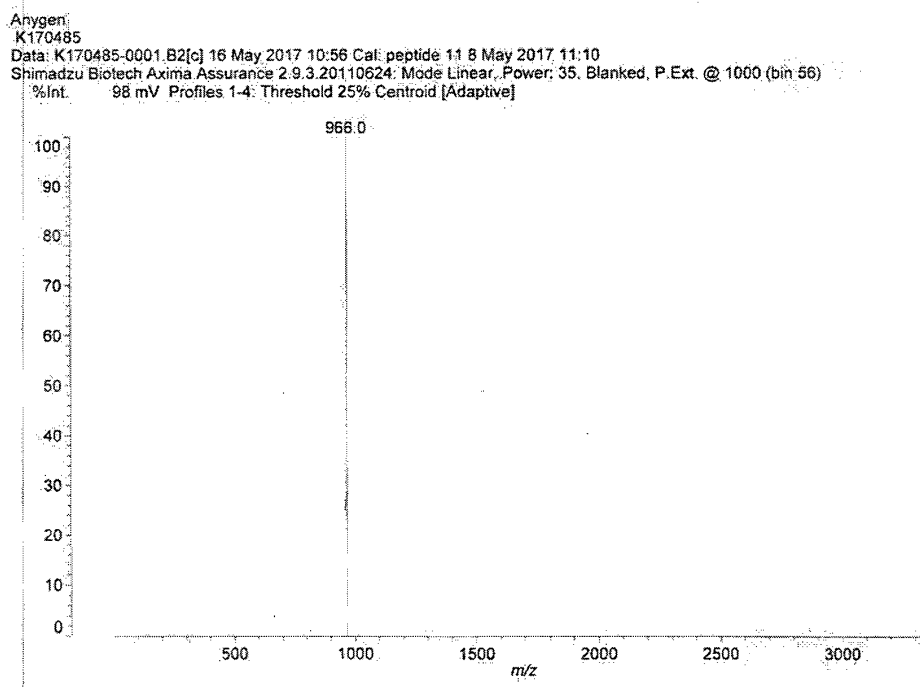
Anygen
K170471
Data: <Untitled>.J17[c] 28 Jun 2017 12:42 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 31, P.Ext. @ 1000 (bin 56)
%Int. 514 mV Profiles 1-61: Threshold 25% Centroid [Adaptive]



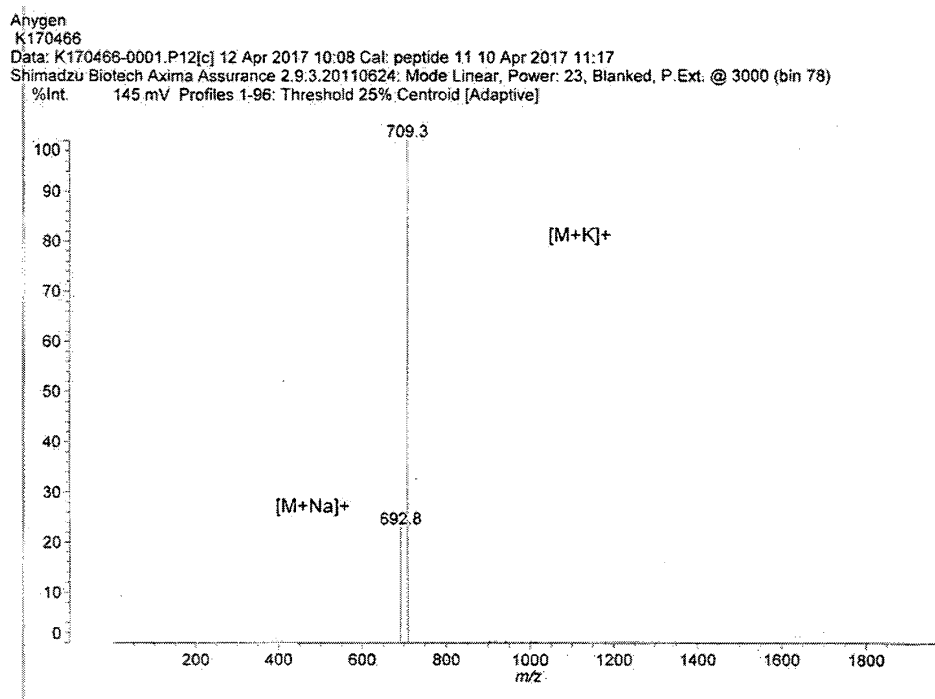
도 107



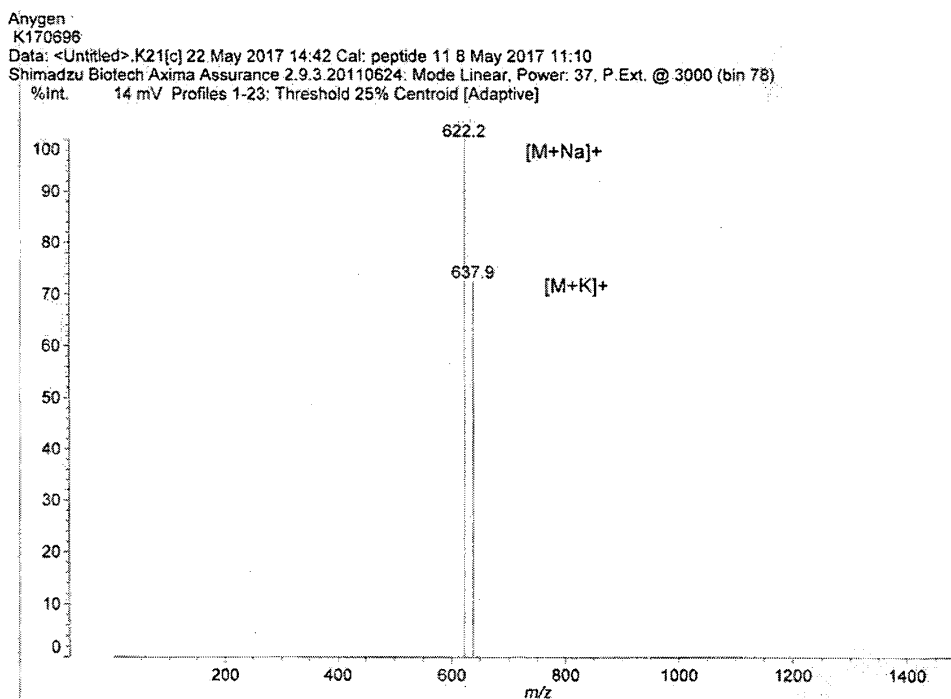
도 108



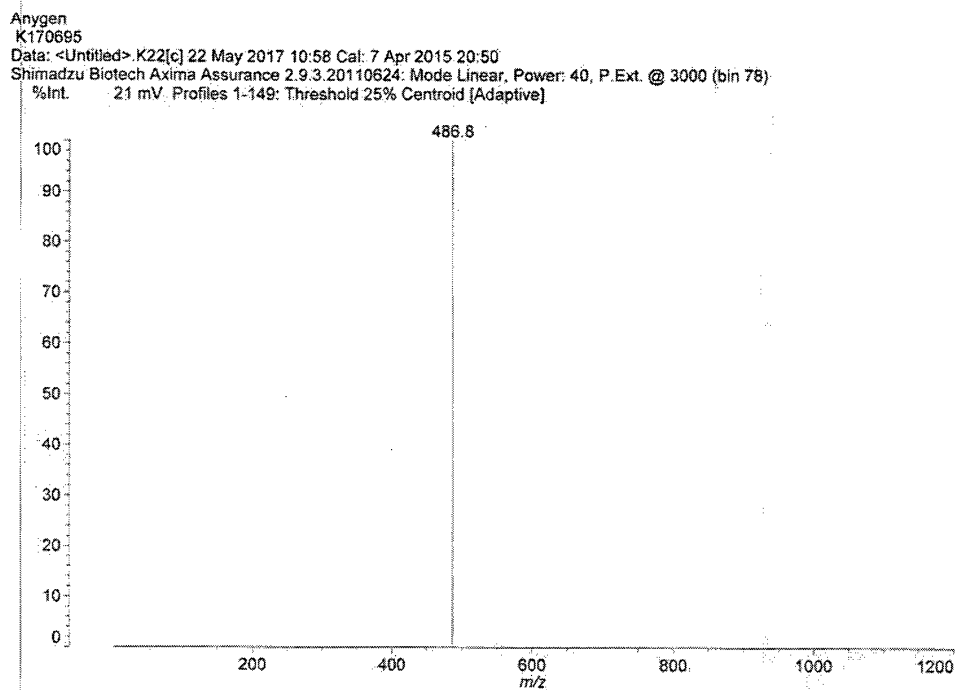
도 109



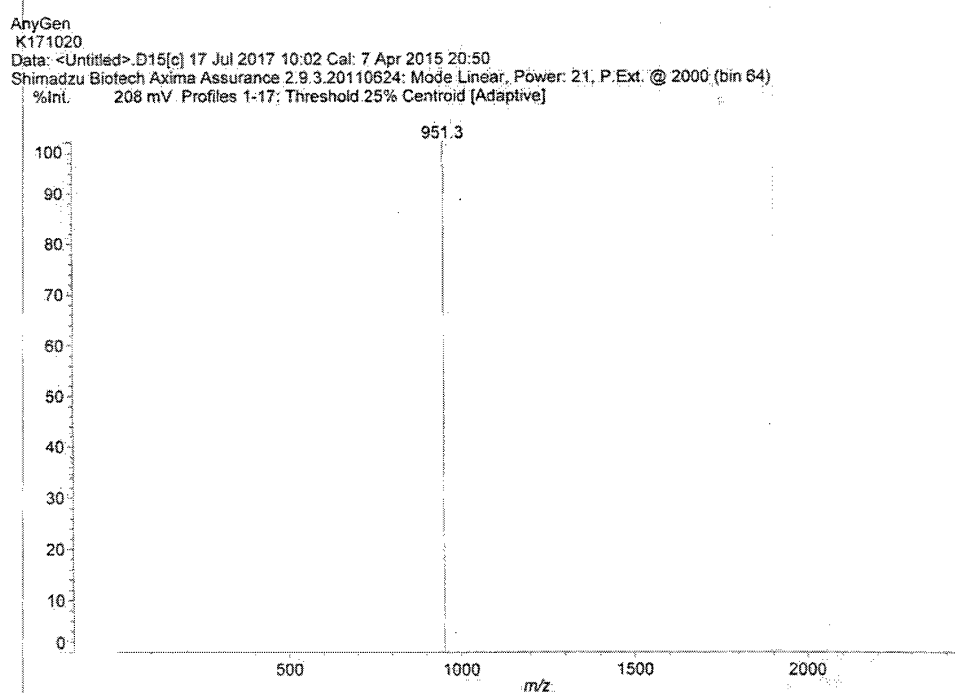
도 110



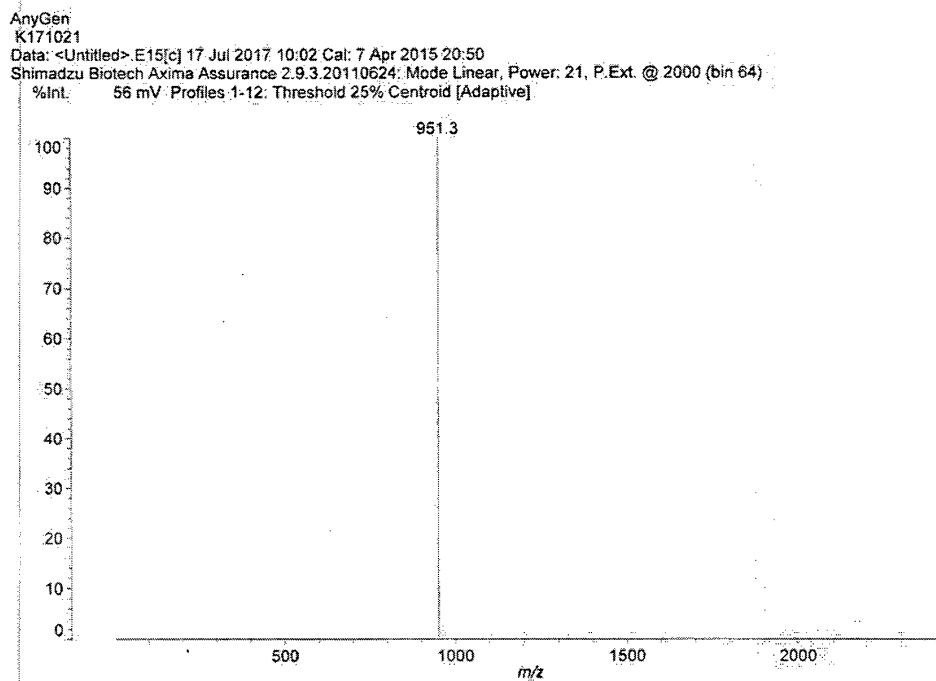
도 111



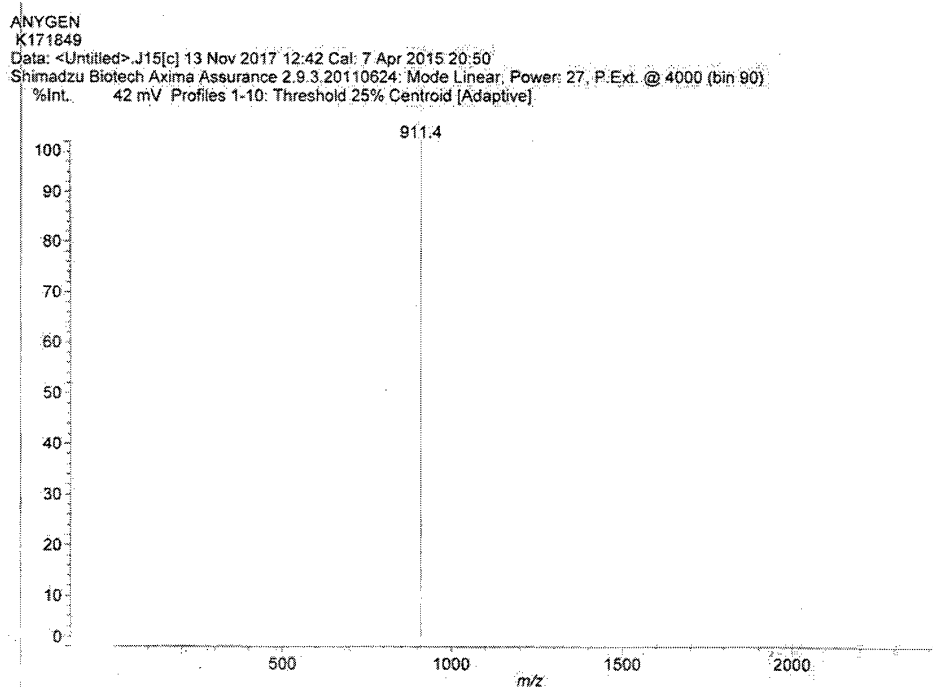
도 112



도 113



도 114



도 115

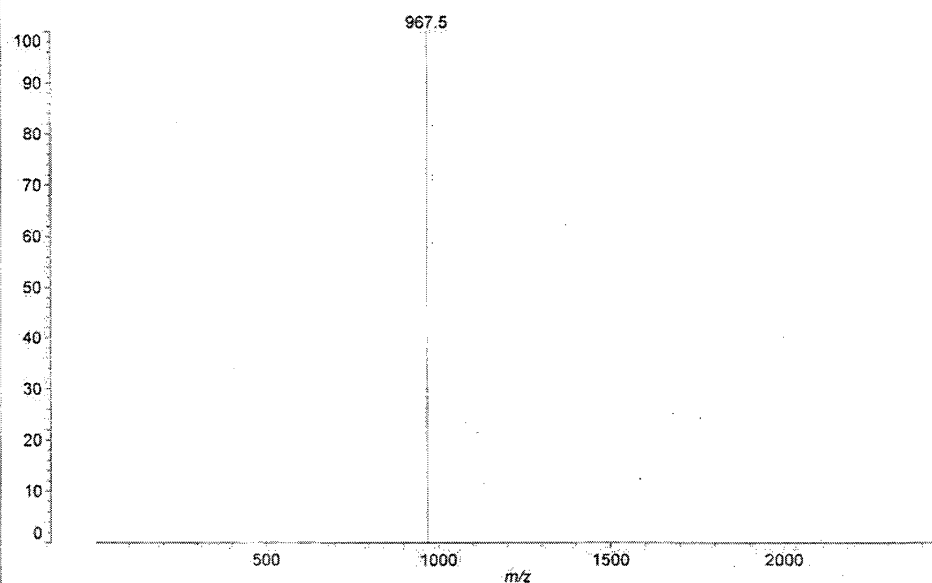
ANYGEN

K171850

Data: <Untitled>.K15[c] 13 Nov 2017 12:43 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 27, P.Ext. @ 4000 (bin 90)

%Int. 64 mV Profiles 1-23: Threshold 25% Centroid [Adaptive]



도 116

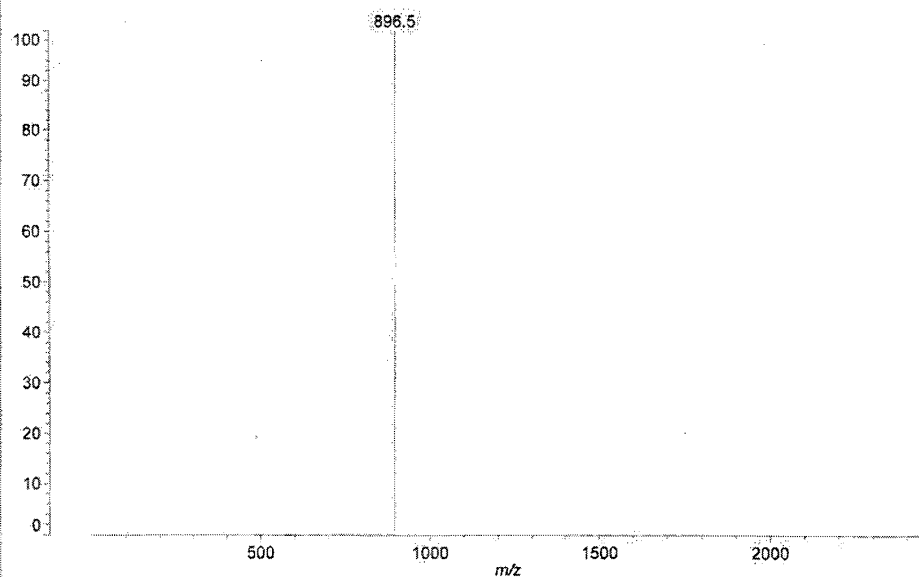
ANYGEN

K171851

Data: <Untitled>.L15[c] 13 Nov 2017 12:43 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)

%Int. 330 mV Profiles 1-27: Threshold 25% Centroid [Adaptive]



도 117

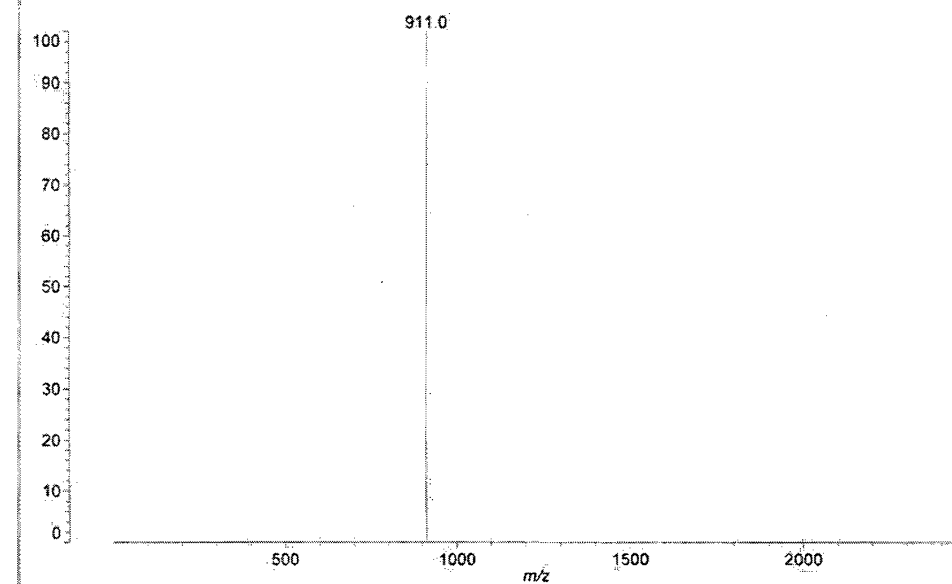
ANYGEN

K171852

Data: <Untitled>.A16[c] 13 Nov 2017 12:44 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)

%Int: 166 mV Profiles 1-24: Threshold 25% Centroid [Adaptive]



도 118

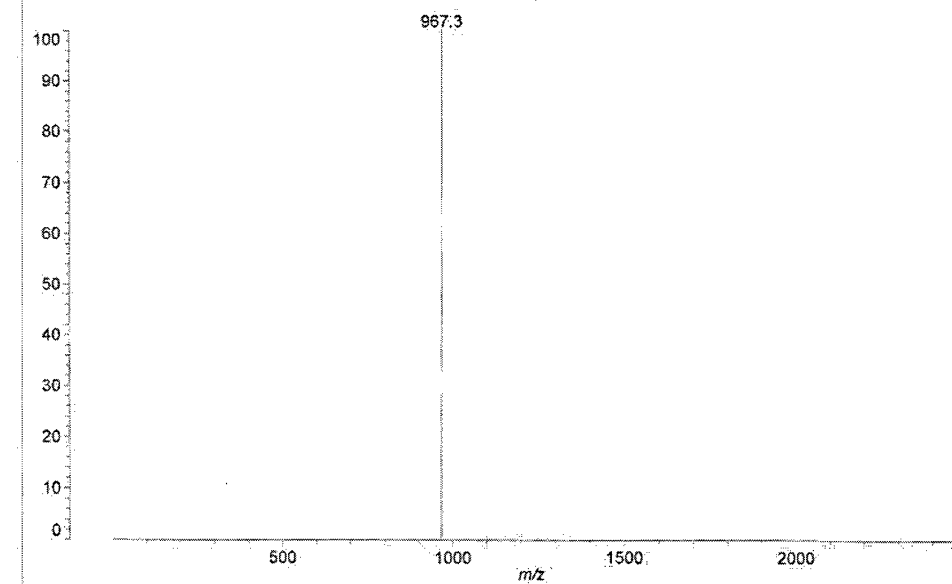
ANYGEN

K171853

Data: <Untitled>.B16[c] 13 Nov 2017 12:44 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)

%Int: 189 mV Profiles 1-19: Threshold 25% Centroid [Adaptive]



도 119

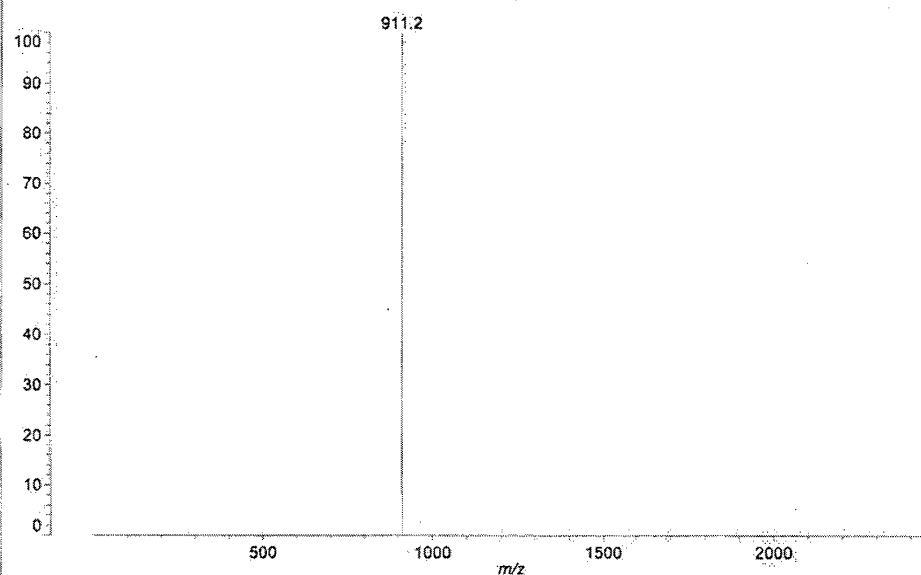
ANYGEN

K171854

Data: <Untitled>.C16[c] 13 Nov 2017 12:44 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)

%Int. 580 mV. Profiles 1-17: Threshold 25% Centroid [Adaptive]



도 120

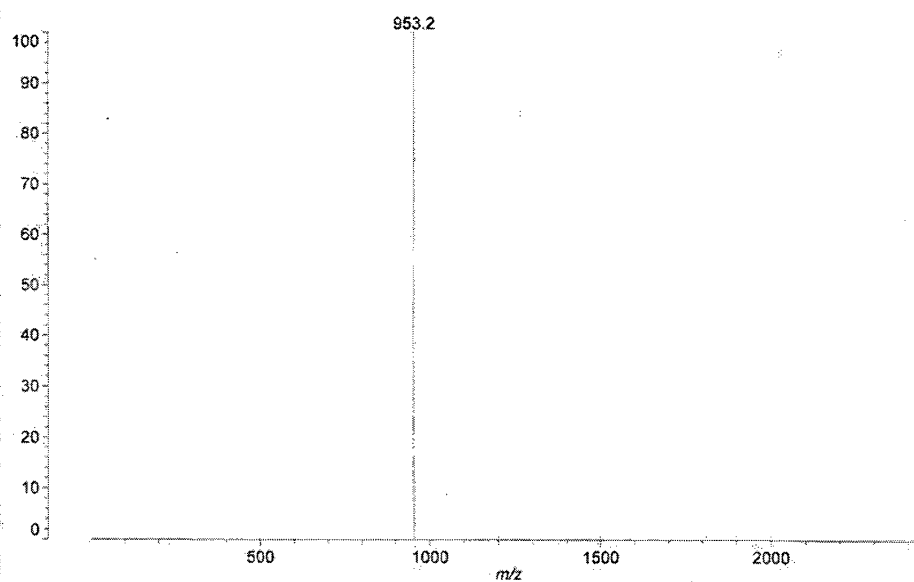
ANYGEN

K171855

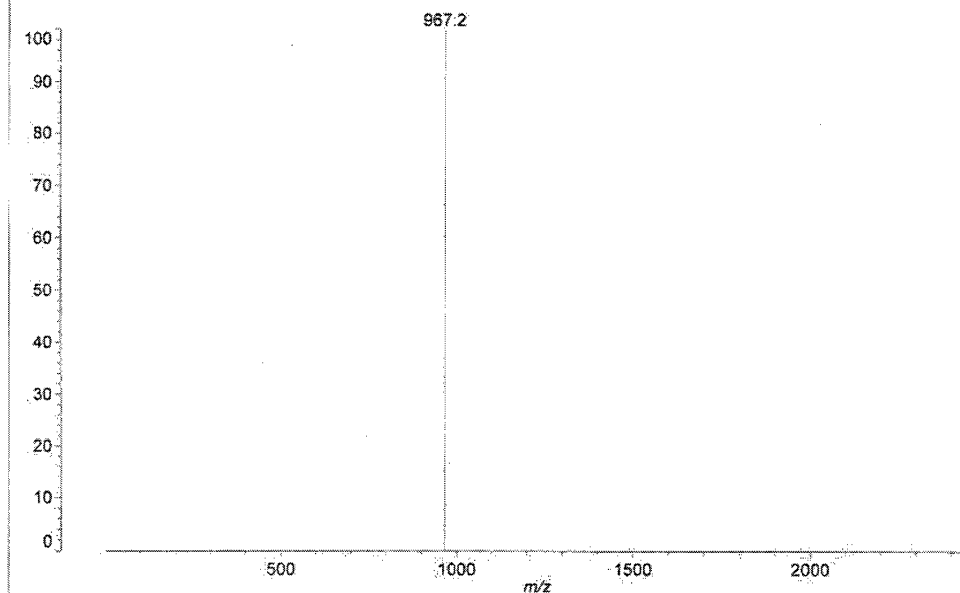
Data: <Untitled>.D16[c] 13 Nov 2017 12:45 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)

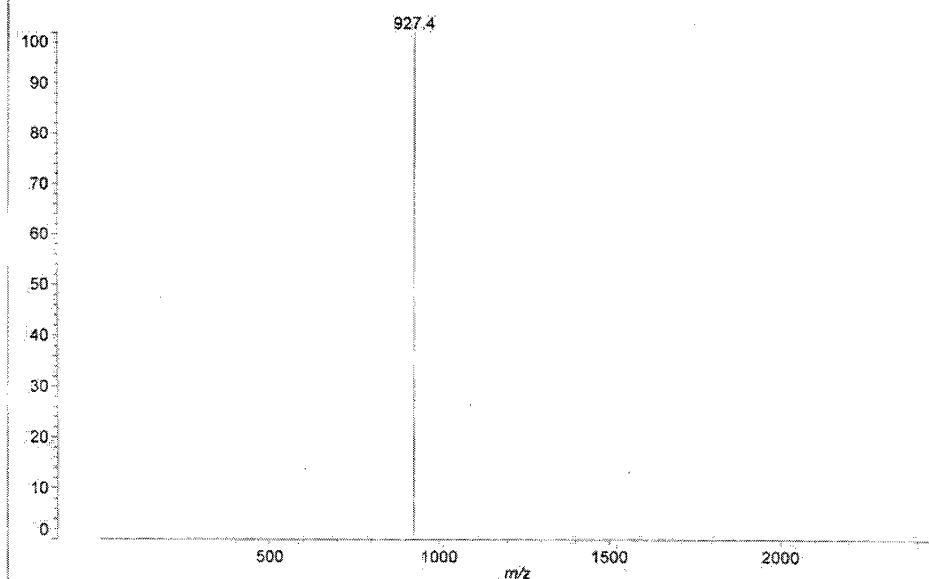
%Int. 108 mV. Profiles 1-8: Threshold 25% Centroid [Adaptive]



도 121

ANYGEN
K171856Data: <Untitled> E16[c] 13 Nov 2017 12:45 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)
%Int. 46 mV Profiles 1-6; Threshold 25% Centroid [Adaptive]

도 122

ANYGEN
K171857Data: <Untitled> F16[c] 13 Nov 2017 12:45 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)
%Int. 254 mV Profiles 1-14; Threshold 25% Centroid [Adaptive]

도 123

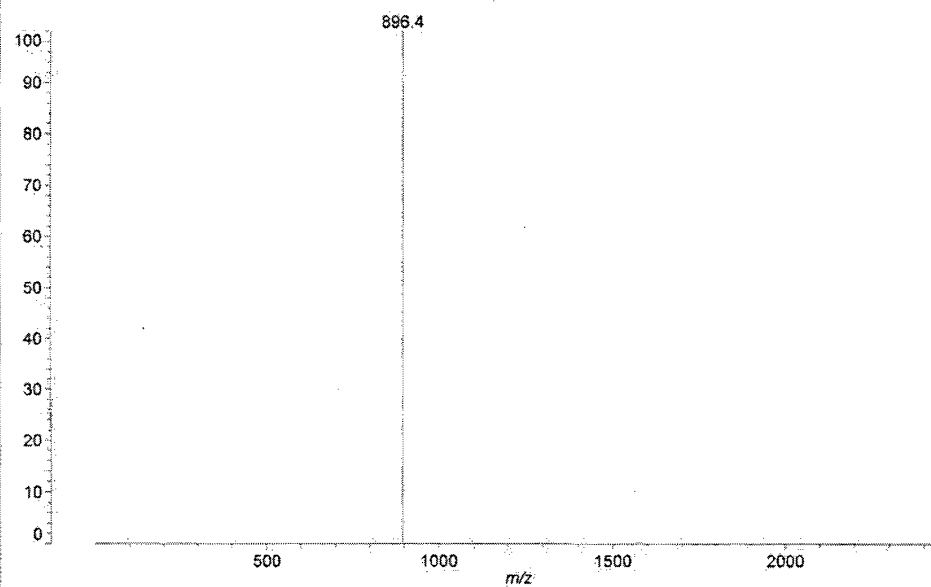
ANYGEN

K171858

Data: <Untitled>.G16[c] 13 Nov 2017 12:46 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)

%Int. 245 mV Profiles 1-21: Threshold 25% Centroid [Adaptive]



도 124

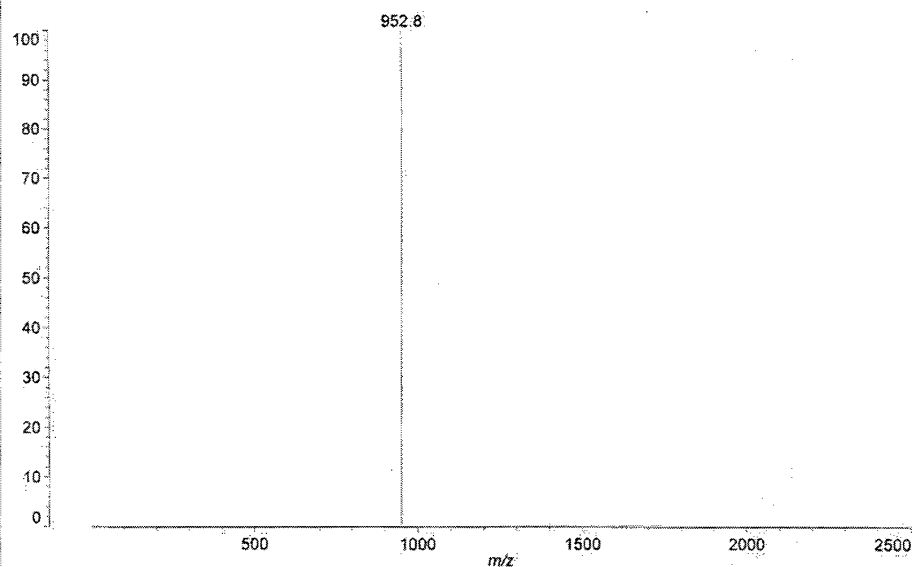
ANYGEN

K171869

Data: <Untitled>.A20[c] 13 Dec 2017 13:34 Cal: 7 Apr 2015 20:50

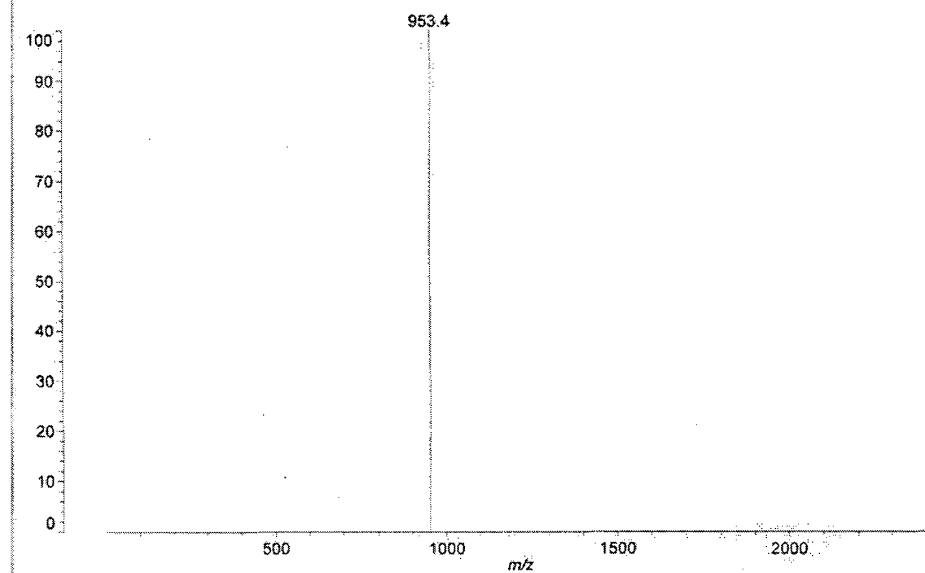
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)

%Int. 91 mV Profiles 1-8: Threshold 25% Centroid [Adaptive]



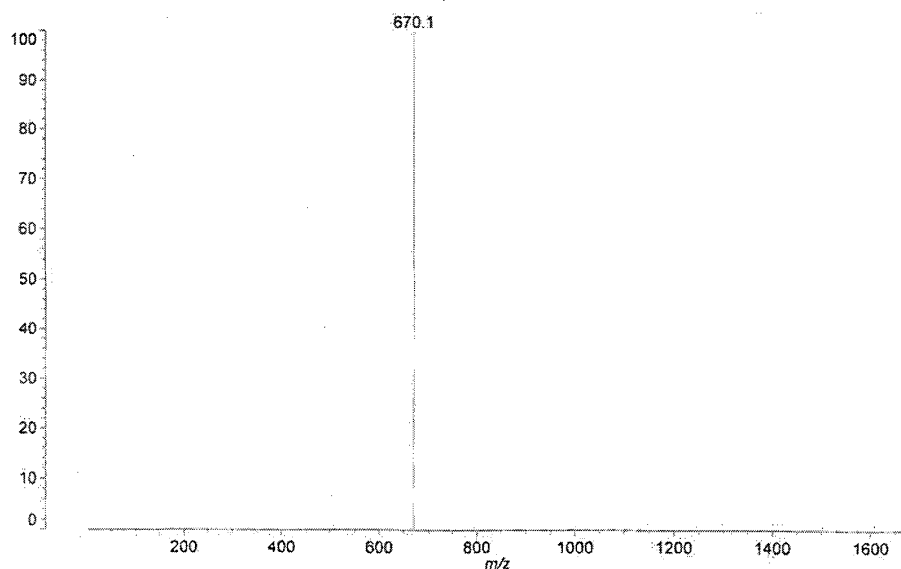
도 125

ANYGEN
K171870
Data: <Untitled>.D20[c] 20 Dec 2017 12:44 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 24, P.Ext. @ 4000 (bin 90)
%Int. 117 mV Profiles 1-8: Threshold 25% Centroid [Adaptive]

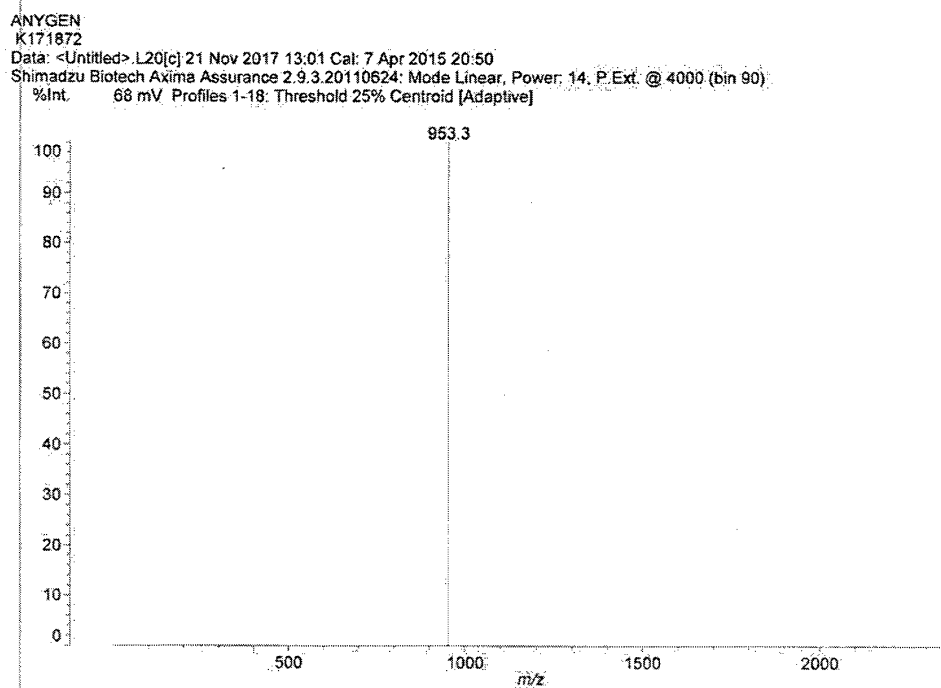


도 126

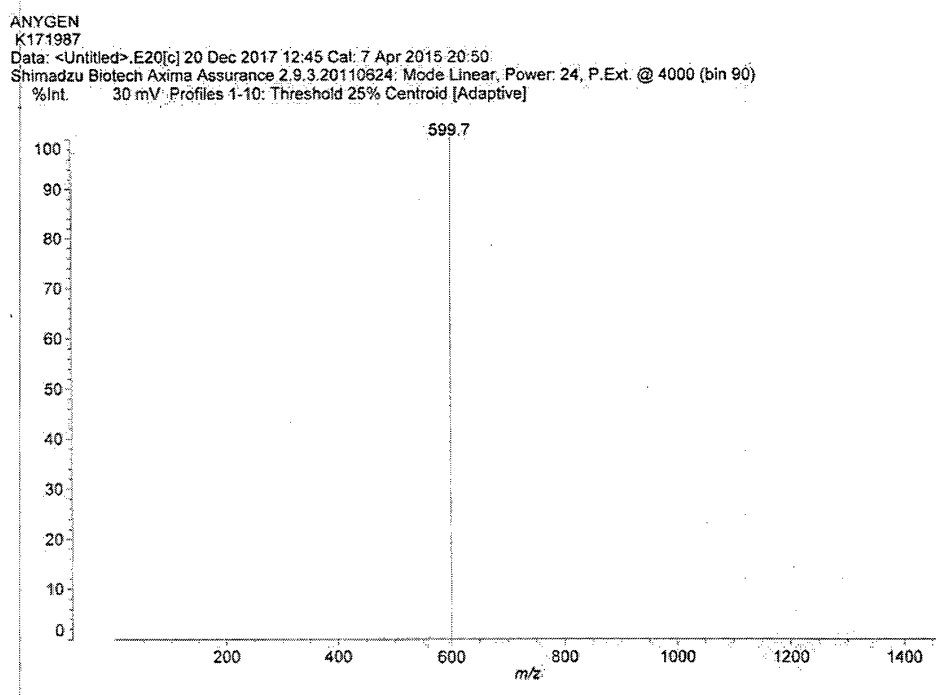
ANYGEN
K171871
Data: <Untitled>.F18[c] 22 Nov 2017 10:55 Cal: 7 Apr 2015 20:50
Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 19, P.Ext. @ 4000 (bin 90)
%Int. 3.90 mV Profiles 1-15: Threshold 25% Centroid [Adaptive]



도 127



도 128



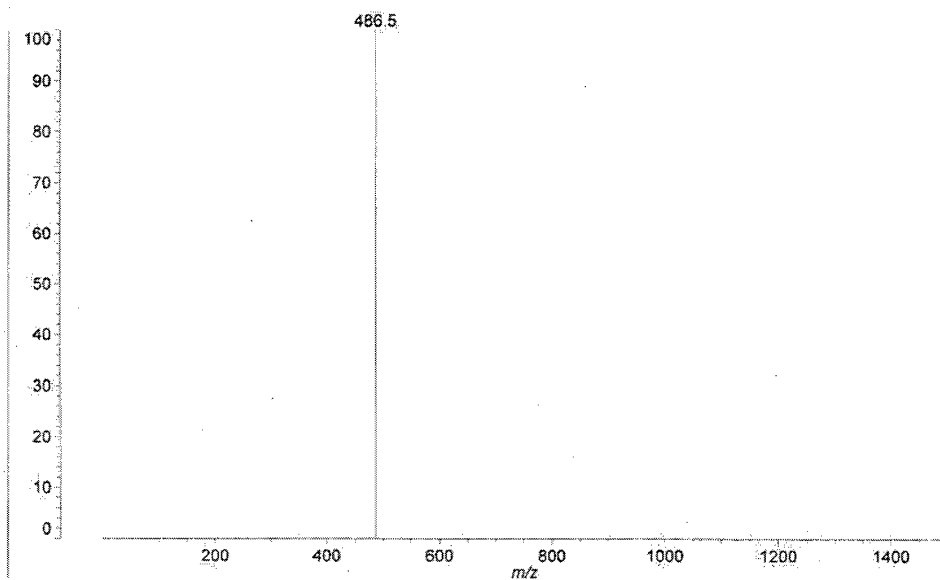
도 129

ANYGEN
K171989

Data: <Untitled> J21[c] 4 Dec 2017 12:47 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 30, P.Ext. @ 4000 (bin 90)

%Int. 54 mV Profiles 1-11: Threshold 25% Centroid [Adaptive]



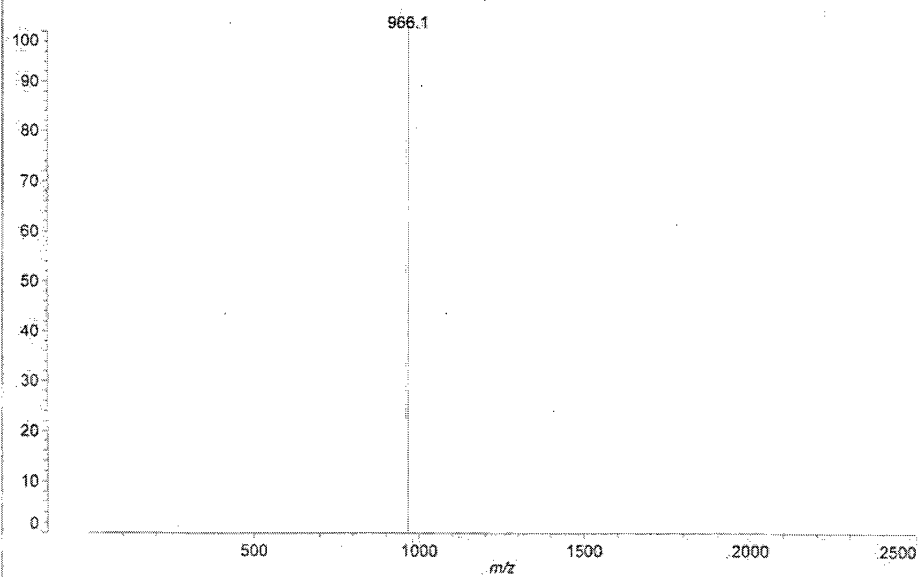
도 130

K180115

Data: <Untitled> E1[c] 8 Feb 2018 13:39 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear_neg, Power: 40, P.Ext. @ 8000 (bin 128)

%Int. 208 mV Profiles 1-14: Threshold 25% Centroid [Adaptive]



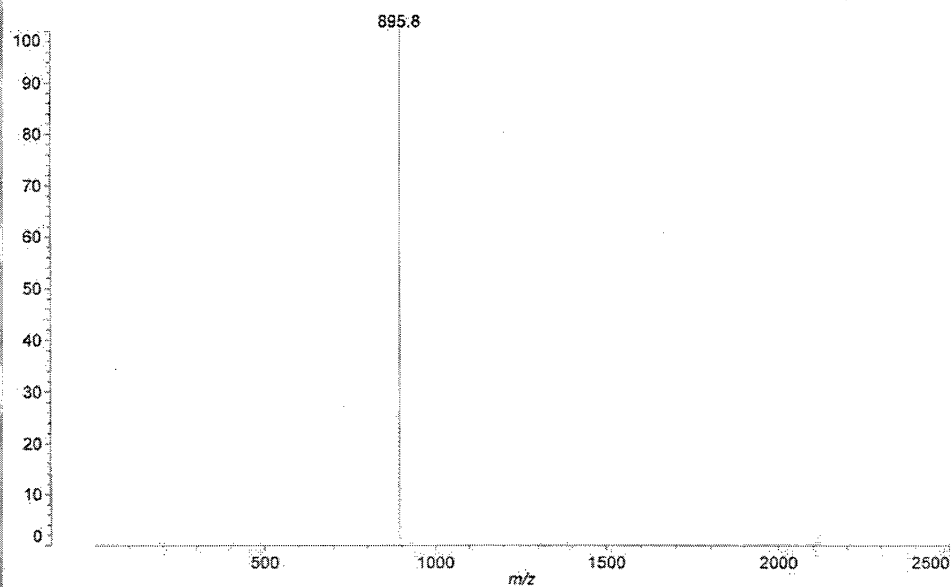
도 131

ANYGEN
K180116

Data: <Untitled>.L7[c] 5 Feb 2018 10:30 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear, Power: 20, P.Ext. @ 3000 (bin 78)

%Int. 305 mV Profiles 1-48: Threshold 25% Centroid [Adaptive]



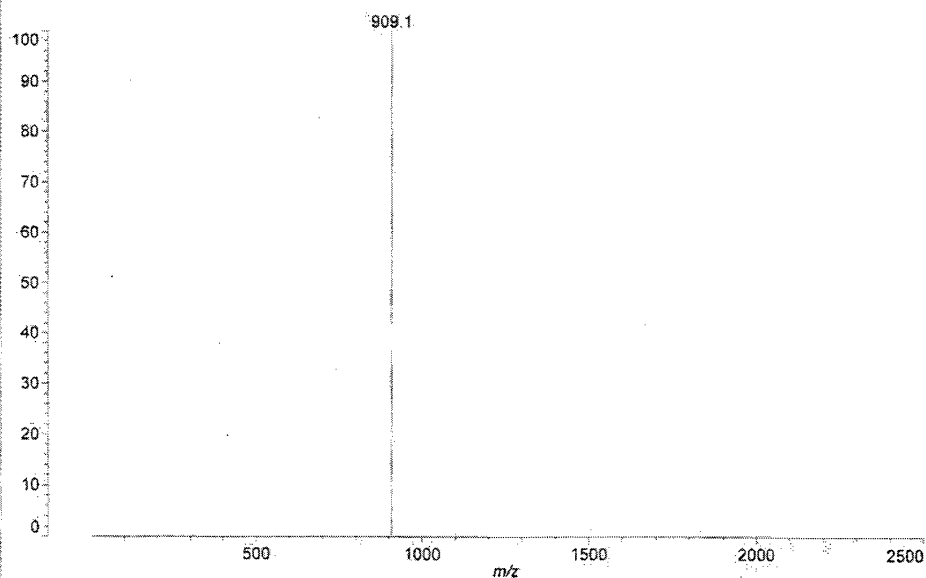
도 132

K180117

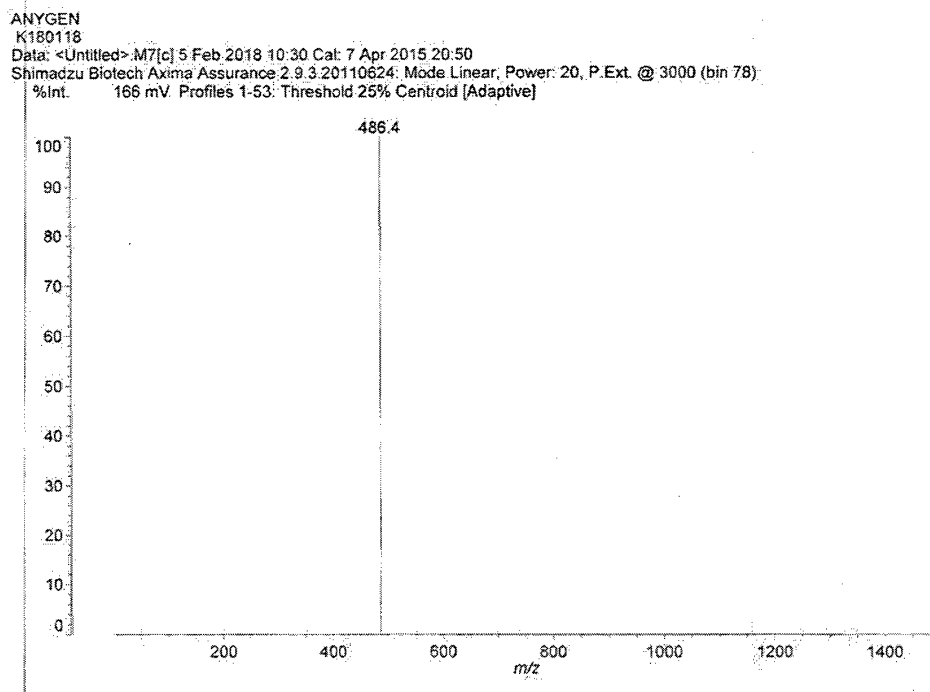
Data: <Untitled>.F1[c] 8 Feb 2018 13:40 Cal: 7 Apr 2015 20:50

Shimadzu Biotech Axima Assurance 2.9.3.20110624: Mode Linear_neg, Power: 40, P.Ext. @ 8000 (bin 128)

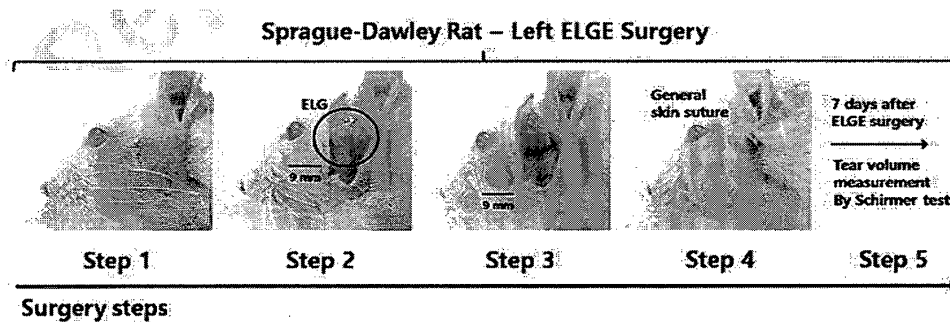
%Int. 186 mV Profiles 1-58: Threshold 25% Centroid [Adaptive]



도 133



도 134



도 135

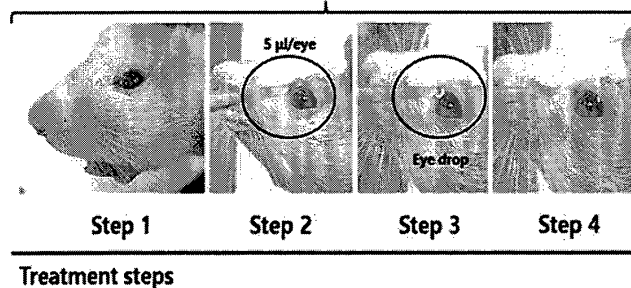
Groups	Items	Body weights at		Body weight gains	
		ELGE surgery*	First test material topical eye drop [A]	24 hrs after last treatment [B]*	[B-A]
Control					
	Sham	213.63±21.04	305.50±33.53	340.50±38.46	35.00±11.19
	ELGE	215.50±16.10	302.63±20.42	339.13±20.01	36.50±9.97
Reference					
	DS	220.50±8.70	304.50±13.11	340.63±10.20	36.13±5.38
Test materials (0.3% solutions)					
	YY-102	211.88±12.89	302.00±20.70	337.75±25.95	35.75±6.84
	YDE-01	212.63±11.30	302.25±24.57	341.00±24.98	38.75±9.50
	YDE-02	210.38±10.89	302.00±15.96	338.00±22.39	36.00±12.29
	YDE-03	212.50±14.84	301.00±20.63	339.38±22.93	38.38±7.74
	YDE-04	217.50±16.25	302.50±19.66	338.50±21.44	36.00±10.97
	YDE-05	212.50±16.75	303.50±17.77	341.50±17.53	38.00±3.12
	YDE-06	212.38±19.00	306.38±25.21	345.13±21.06	38.75±6.14
	YDE-07	219.13±4.73	310.50±9.99	349.88±12.28	39.38±4.53
	YDE-08	213.38±13.99	307.00±13.73	345.63±17.87	38.63±7.01
	YDE-09	215.63±13.69	304.25±18.58	341.38±25.47	37.13±10.34
	YDE-10	216.00±12.99	305.25±13.82	343.63±16.36	38.38±6.44
	YDE-11	219.88±13.42	309.13±20.36	347.00±27.91	37.88±13.66
	YDE-12	222.13±9.98	311.00±15.57	349.88±21.70	38.88±9.08
	YDE-13	217.63±4.69	305.13±7.66	343.25±11.44	38.13±7.20
	YDE-14	216.75±15.53	301.25±20.11	339.75±26.99	38.50±9.94
	YDE-15	214.88±14.74	302.13±16.57	340.00±16.44	37.88±12.69
	YDE-16	213.50±18.31	299.50±16.42	337.38±20.50	37.88±7.57
	YDE-17	214.63±11.81	306.63±17.54	346.25±19.26	39.63±10.51
	YDE-18	213.88±13.24	307.88±13.27	347.38±23.02	39.50±14.68
	YDE-19	218.88±11.29	307.25±12.85	345.38±21.71	38.13±9.83
	YDE-20	217.88±9.61	300.75±16.79	339.25±15.68	38.50±5.71
	YDE-21	216.38±15.31	301.38±20.89	340.13±21.53	38.75±8.14
	YDE-22	219.38±10.85	304.13±14.56	343.50±21.37	39.38±9.30
	YDE-23	219.00±12.54	308.25±15.64	346.00±15.26	37.75±6.94
	YDE-24	212.13±18.41	298.38±25.85	334.00±31.75	35.63±10.29
	YDE-25	213.13±13.39	303.63±21.87	342.50±19.82	38.88±5.84
	YDE-26	213.63±14.71	305.75±23.07	343.25±29.09	37.50±9.38
	YDE-27	214.75±13.73	306.63±25.44	345.38±26.40	38.75±10.02
	YDE-28	212.75±13.36	297.63±21.12	336.38±22.02	38.75±7.63

도 136

Groups	Items	Body weights at		24 hrs after last treatment [B]*	Body weight gains [B-A]
	ELGE surgery*	First test material topical eye drop [A]			
Control					
	Sham	242.38±7.73	320.25±9.91	363.38±27.21	43.13±19.71
	ELGE	243.88±3.83	329.25±18.90	367.50±19.89	38.25±11.40
Reference					
	DS	246.63±15.68	330.50±23.33	369.63±37.46	39.13±25.56
	YY-101	241.25±4.37	318.88±10.91	356.25±18.16	37.38±7.82
	YY-102	242.38±11.46	318.75±15.20	361.25±23.56	42.50±9.41
Test materials (0.3% solutions)					
	YDE-029	242.25±16.63	327.38±18.75	373.75±28.50	46.38±12.49
	YDE-030	243.25±10.26	315.88±14.96	355.50±29.68	39.63±16.61
	YDE-031	241.00±15.82	316.75±27.58	359.00±39.87	42.25±14.96
	YDE-032	242.75±9.32	324.25±14.59	365.38±16.16	41.13±10.12
	YDE-033	243.50±11.96	327.50±17.57	377.13±26.59	49.63±16.27
	YDE-034	243.88±8.68	322.63±17.15	361.63±19.08	39.00±4.99
	YDE-035	240.88±11.29	321.00±22.17	358.50±29.18	37.50±20.36
	YDE-036	242.25±14.01	329.38±21.07	378.38±24.20	49.00±10.81
	YDE-037	244.50±10.94	324.88±17.36	369.13±21.43	44.25±8.83
	YDE-039	242.88±7.14	325.25±15.51	363.25±28.35	38.00±15.41
	YDE-040	241.13±13.39	319.25±14.10	357.00±27.93	37.75±19.37
	YDE-041	244.75±14.49	322.88±22.47	366.13±37.43	43.25±16.97
	YDE-042	239.13±8.29	323.38±8.28	372.38±19.46	49.00±13.54
	YDE-043	246.25±7.92	324.00±14.31	361.25±19.20	37.25±13.63

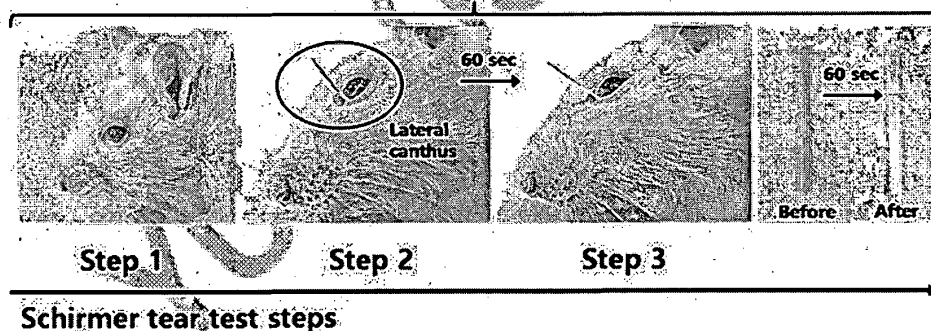
도 137

Sprague-Dawley Rat – Left Eye

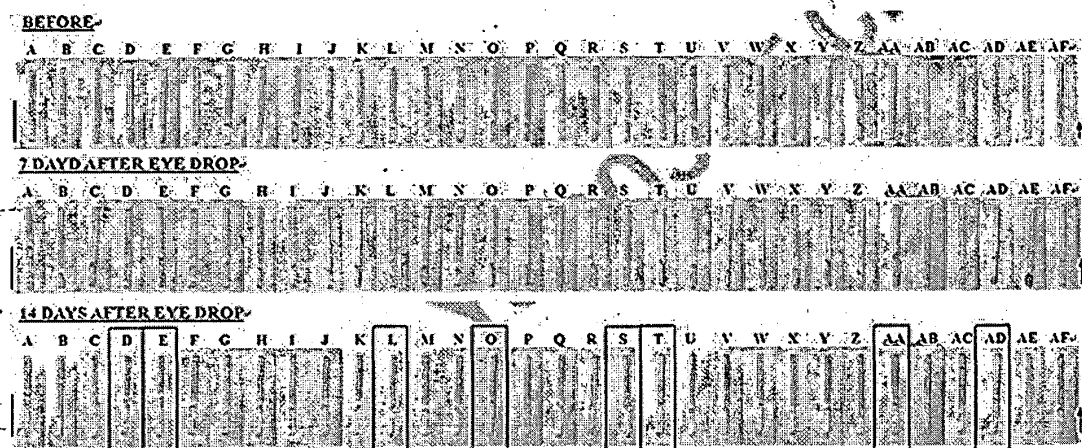


도 138

Sprague-Dawley Rat - Left Eye



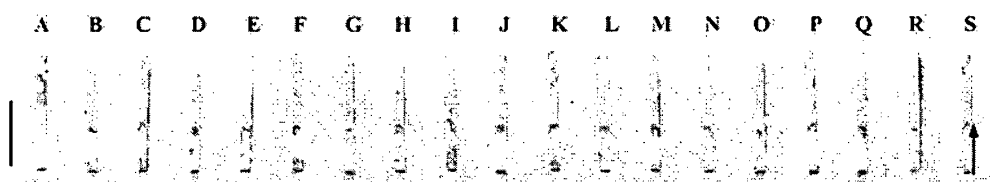
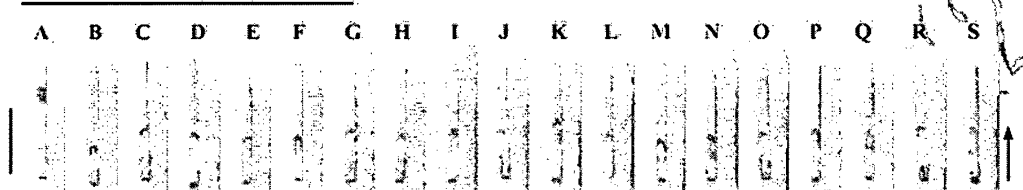
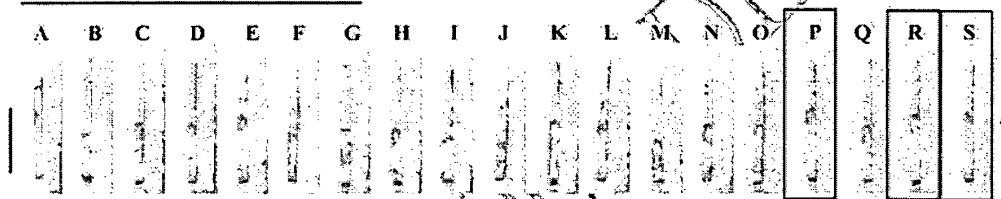
도 139



도 140

Items Groups	Tear volumes (mm) after test material topical eye drop		
	-1 day	7 days	14 days
Control			
Sham	8.34±0.73	8.56±0.76	8.63±0.93
ELGE	3.54±0.78 ^a	2.65±0.85 ^a	3.27±1.06 ^a
Reference			
DS	3.53±0.66 ^a	4.10±1.07 ^{ad}	4.80±0.94 ^{ad}
Test materials (0.3% solutions)			
YY-102	3.58±0.93 ^a	4.59±1.43 ^{ac}	5.77±1.99 ^{ac}
YDE-01	3.55±0.93 ^a	4.88±1.62 ^{ac}	5.92±2.19 ^{ac}
YDE-02	3.59±0.75 ^a	3.84±1.16 ^a	5.01±1.67 ^{ad}
YDE-03	3.56±0.74 ^a	4.13±1.76 ^{ad}	4.88±1.57 ^{ad}
YDE-04	3.57±0.55 ^a	3.42±1.06 ^a	5.19±1.84 ^{ad}
YDE-05	3.56±0.86 ^a	3.85±0.93 ^a	5.08±1.91 ^{ad}
YDE-06	3.56±0.65 ^a	3.44±1.69 ^a	5.35±1.68 ^{ad}
YDE-07	3.53±0.68 ^a	3.91±1.28 ^a	5.45±1.26 ^{ad}
YDE-08	3.54±0.82 ^a	4.57±1.25 ^{ac}	6.10±2.36 ^{ac}
YDE-09	3.56±0.78 ^a	3.76±1.21 ^a	4.54±1.11 ^a
YDE-10	3.52±0.61 ^a	3.42±1.31 ^a	4.35±1.36 ^a
YDE-11	3.56±0.88 ^a	4.22±1.45 ^{ad}	6.16±2.16 ^{ac}
YDE-12	3.55±0.71 ^a	3.68±0.99 ^a	5.67±1.86 ^{ac}
YDE-13	3.55±0.49 ^a	5.27±1.50 ^{ac}	5.49±1.92 ^{ac}
YDE-14	3.55±0.66 ^a	3.81±1.21 ^a	5.62±1.85 ^{ac}
YDE-15	3.54±0.73 ^a	4.03±2.19 ^{ad}	6.65±2.13 ^{bc}
YDE-16	3.56±0.93 ^a	4.59±1.13 ^{ac}	5.98±2.27 ^{ac}
YDE-17	3.54±0.91 ^a	4.00±1.22 ^{ad}	4.89±1.50 ^a
YDE-18	3.58±0.68 ^a	3.75±1.54 ^a	4.99±1.60 ^{ad}
YDE-19	3.58±0.63 ^a	4.84±1.39 ^{ac}	4.52±1.07 ^a
YDE-20	3.56±0.86 ^a	3.41±1.47 ^a	4.20±1.35 ^a
YDE-21	3.55±0.72 ^a	4.08±1.33 ^{ad}	4.90±1.13 ^a
YDE-22	3.50±0.75 ^a	3.19±0.67 ^a	4.10±0.95 ^a
YDE-23	3.51±0.72 ^a	5.32±2.30 ^{ac}	5.78±2.23 ^{ac}
YDE-24	3.53±0.63 ^a	3.85±1.30 ^a	5.72±1.36 ^{ac}
YDE-25	3.56±0.75 ^a	3.21±0.72 ^a	4.72±2.19 ^a
YDE-26	3.57±0.57 ^a	4.32±1.47 ^{ad}	6.01±1.83 ^{ac}
YDE-27	3.57±0.64 ^a	2.82±0.86 ^a	3.95±1.52 ^a
YDE-28	3.56±0.91 ^a	4.04±0.99 ^{ad}	4.73±1.18 ^a

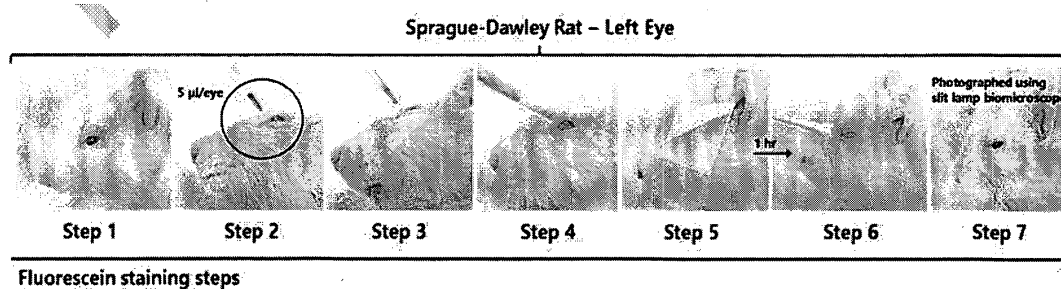
도 141

BEFORE**7 DAYD AFTER EYE DROP****14 DAYS AFTER EYE DROP**

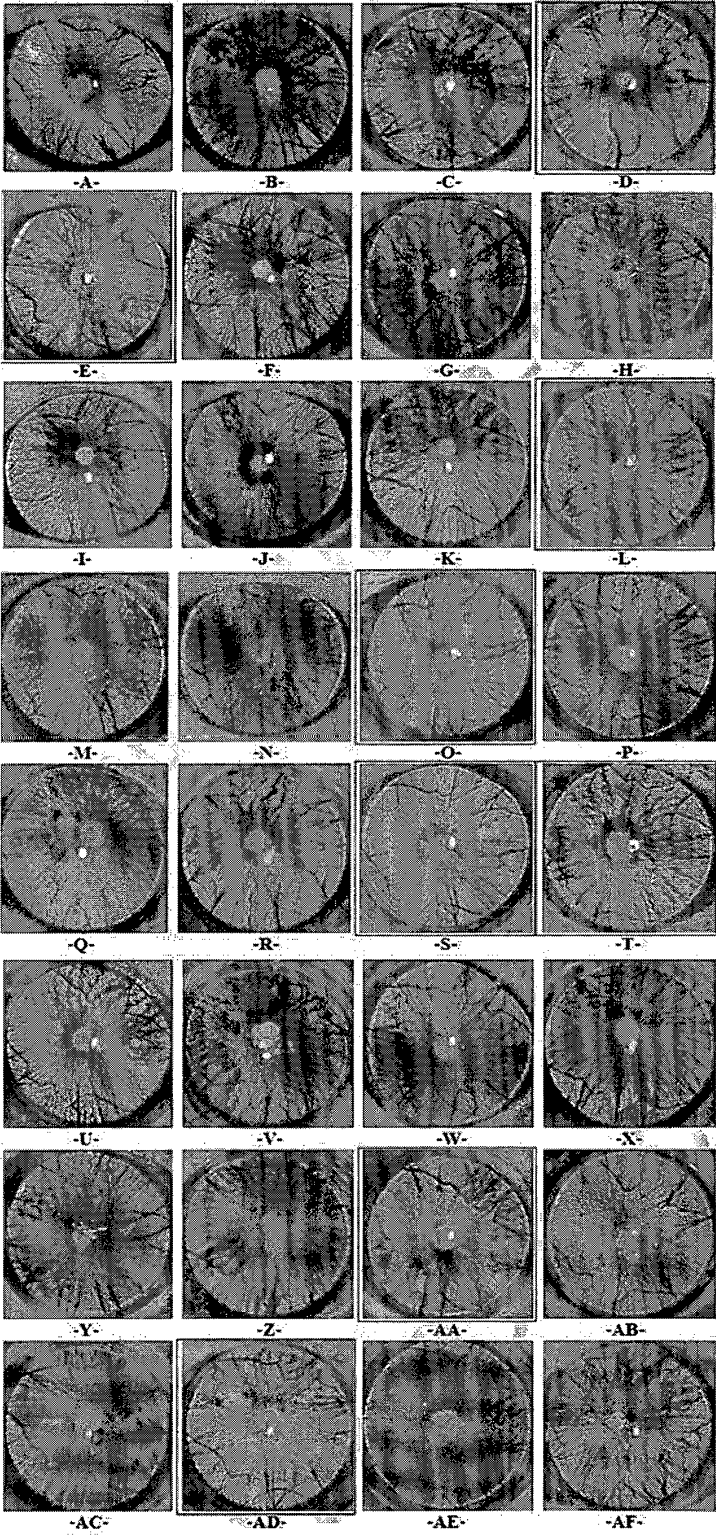
도 142

Groups	Items	Tear volumes (mm) after test material topical eye drop		
		-1 day	7 days	14 days
Control				
	Sham	10.90±1.69	10.38±1.08	10.28±0.69
	ELGE	4.81±1.09 ^a	4.37±0.83 ^b	4.70±0.65 ^b
Reference				
	DS	4.74±1.30 ^a	5.72±1.28 ^{be}	6.56±1.15 ^{bd}
	YY-101	4.86±1.08 ^a	5.36±0.68 ^{be}	6.25±0.68 ^{bd}
	YY-102	4.94±0.71 ^a	5.77±1.01 ^{be}	6.60±0.64 ^{bd}
Test materials (0.3% solutions)				
	YDE-029	4.72±1.05 ^a	5.33±1.43 ^b	6.03±1.71 ^b
	YDE-030	4.93±1.15 ^a	5.69±1.79 ^b	6.65±2.17 ^b
	YDE-031	4.70±0.69 ^a	5.63±1.97 ^b	5.91±0.85 ^{be}
	YDE-032	4.94±1.04 ^a	5.58±0.80 ^{be}	5.03±0.93 ^b
	YDE-033	4.77±1.32 ^a	4.99±1.20 ^b	4.54±1.16 ^b
	YDE-034	4.88±1.07 ^a	6.16±1.01 ^{bd}	6.43±1.86 ^b
	YDE-035	4.92±1.18 ^a	4.96±0.96 ^b	6.25±0.79 ^{bd}
	YDE-036	4.83±1.07 ^a	4.95±1.05 ^b	5.13±1.03 ^b
	YDE-037	4.68±0.83 ^a	4.98±0.66 ^b	5.80±0.96 ^{be}
	YDE-039	4.81±1.27 ^a	6.04±1.01 ^{bd}	6.44±1.96 ^{be}
	YDE-040	4.77±0.91 ^a	5.77±1.05 ^{be}	8.63±1.53 ^{cd}
	YDE-041	4.87±1.19 ^a	5.01±1.26 ^b	6.25±2.15 ^b
	YDE-042	4.83±0.84 ^a	6.30±1.08 ^{bd}	7.97±1.48 ^{bd}
	YDE-043	4.86±0.81 ^a	5.90±1.06 ^{bd}	8.16±1.42 ^{bd}

도 143



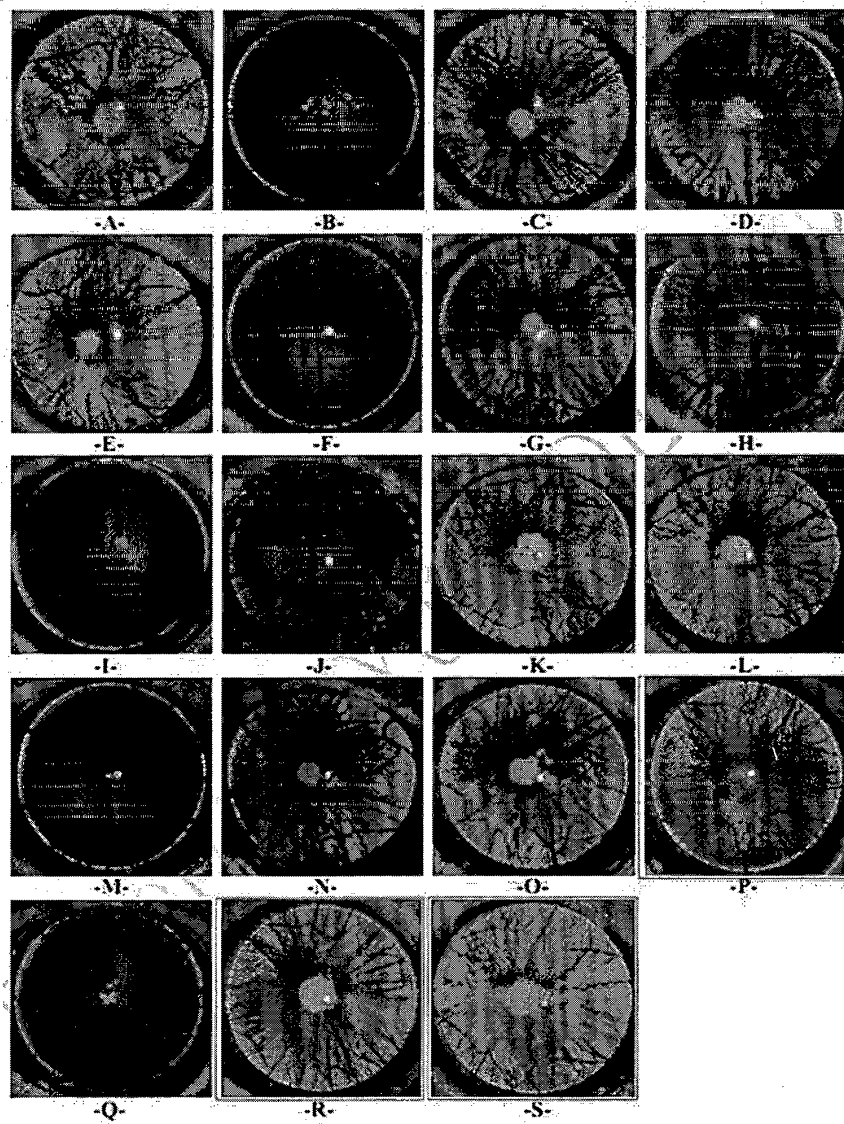
도 144



도 145

Groups	Items	Fluorescent stained cornea areas (%)
Control		
	Sham	2.62±1.71
	ELGE	57.34±12.83 ^a
Reference		
	DS	35.40±13.32 ^a
Test materials (0.3% solutions)		
	YY-102	27.48±14.37 ^{ac}
	YDE-01	25.49±11.62 ^{ac}
	YDE-02	38.26±11.25 ^{ac}
	YDE-03	40.45±6.46 ^{ac}
	YDE-04	35.05±11.74 ^{ac}
	YDE-05	37.98±11.53 ^{ac}
	YDE-06	33.23±13.26 ^{ac}
	YDE-07	32.79±10.77 ^{ac}
	YDE-08	20.32±11.87 ^{ac}
	YDE-09	41.50±7.86 ^{ac}
	YDE-10	49.29±12.06 ^a
	YDE-11	18.11±11.61 ^{ac}
	YDE-12	31.01±11.38 ^{ac}
	YDE-13	32.24±7.84 ^{ac}
	YDE-14	31.15±10.87 ^{ac}
	YDE-15	15.95±6.48 ^{bc}
	YDE-16	24.57±10.34 ^{ac}
	YDE-17	39.76±7.42 ^{ac}
	YDE-18	38.19±10.96 ^{ac}
	YDE-19	40.39±12.57 ^{ac}
	YDE-20	47.84±13.47 ^a
	YDE-21	37.00±10.49 ^{ac}
	YDE-22	47.82±10.01 ^a
	YDE-23	26.51±8.18 ^{ac}
	YDE-24	30.63±10.41 ^{ac}
	YDE-25	47.10±11.45 ^a
	YDE-26	22.63±11.23 ^{ac}
	YDE-27	50.24±11.94 ^a
	YDE-28	41.17±10.25 ^{ac}

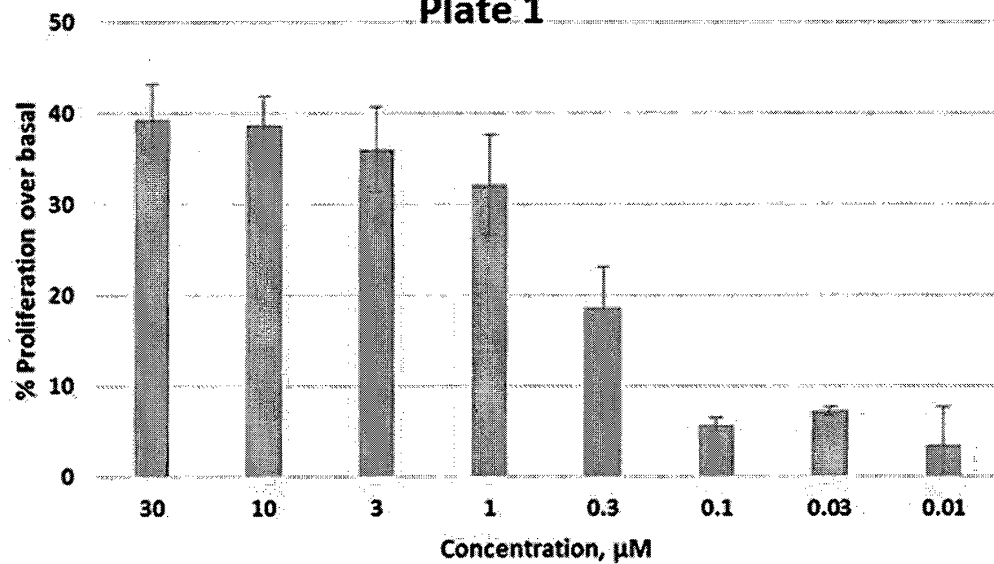
도 146



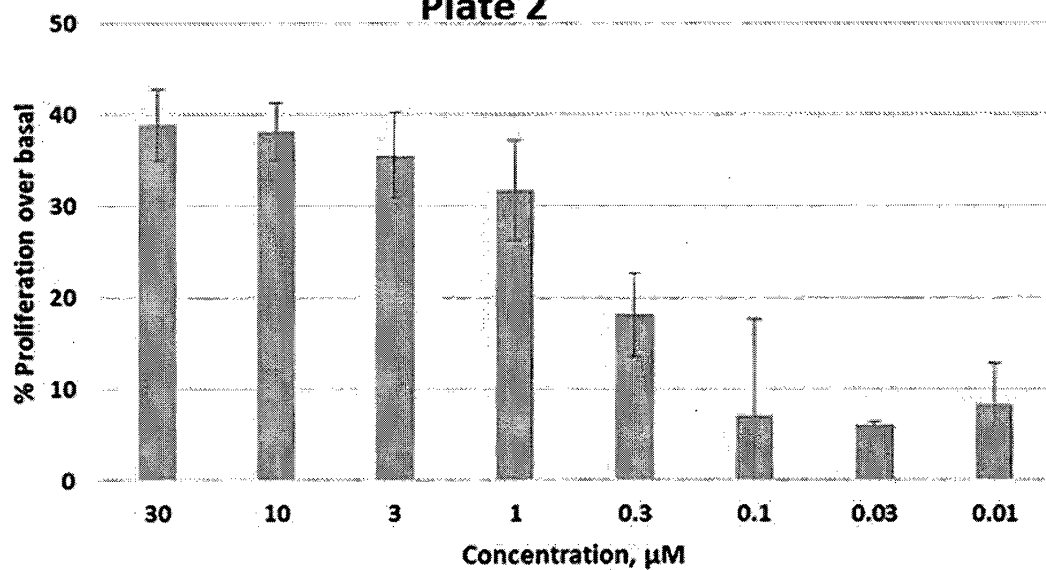
도 147

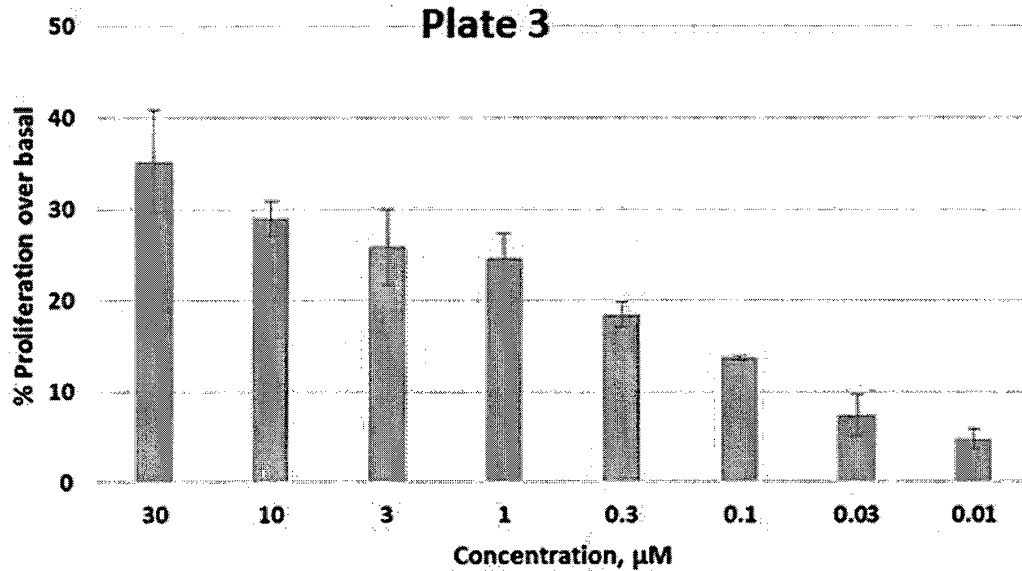
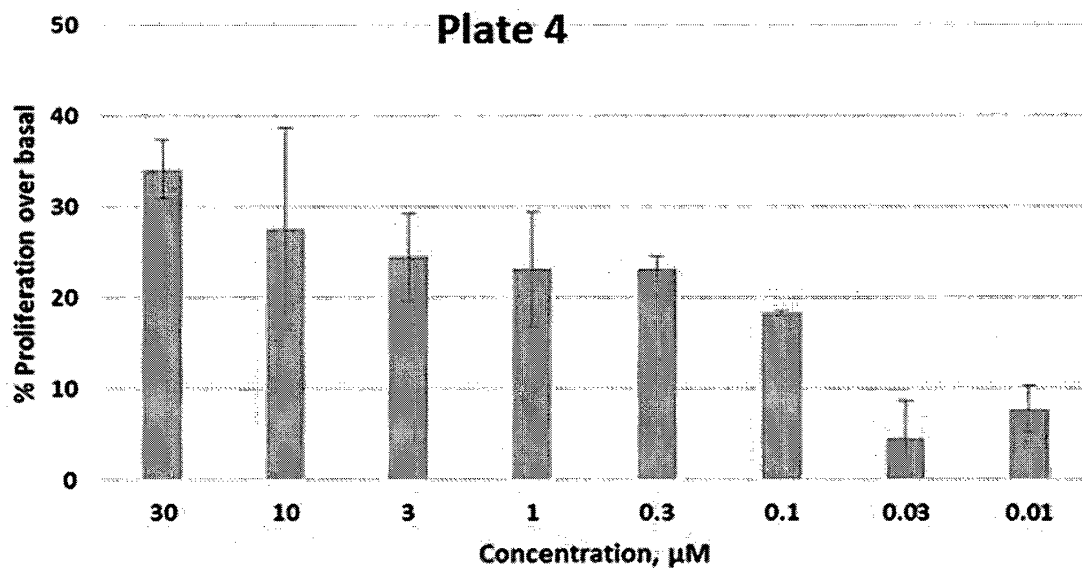
Groups	Items Fluorescent stained cornea areas (%)
Control	
Sham	1.53±0.65
ELGE	66.71±10.02 ^b
Reference	
DS	30.03±10.97 ^{bd}
YY-101	33.80±11.11 ^{bd}
YY-102	27.89±7.10 ^{bd}
Test materials (0.3% solutions)	
YDE-029	63.45±11.57 ^b
YDE-030	30.60±13.61 ^{bd}
YDE-031	33.35±11.01 ^{bd}
YDE-032	58.90±19.81 ^b
YDE-033	60.55±21.22 ^b
YDE-034	32.17±12.94 ^{bd}
YDE-035	27.62±6.51 ^{bd}
YDE-036	57.87±22.91 ^b
YDE-037	36.30±9.75 ^{bd}
YDE-039	29.94±11.40 ^{bd}
YDE-040	18.33±9.41 ^{bd}
YDE-041	46.38±26.65 ^b
YDE-042	20.72±11.37 ^{bd}
YDE-043	19.04±7.36 ^{bd}

도 148

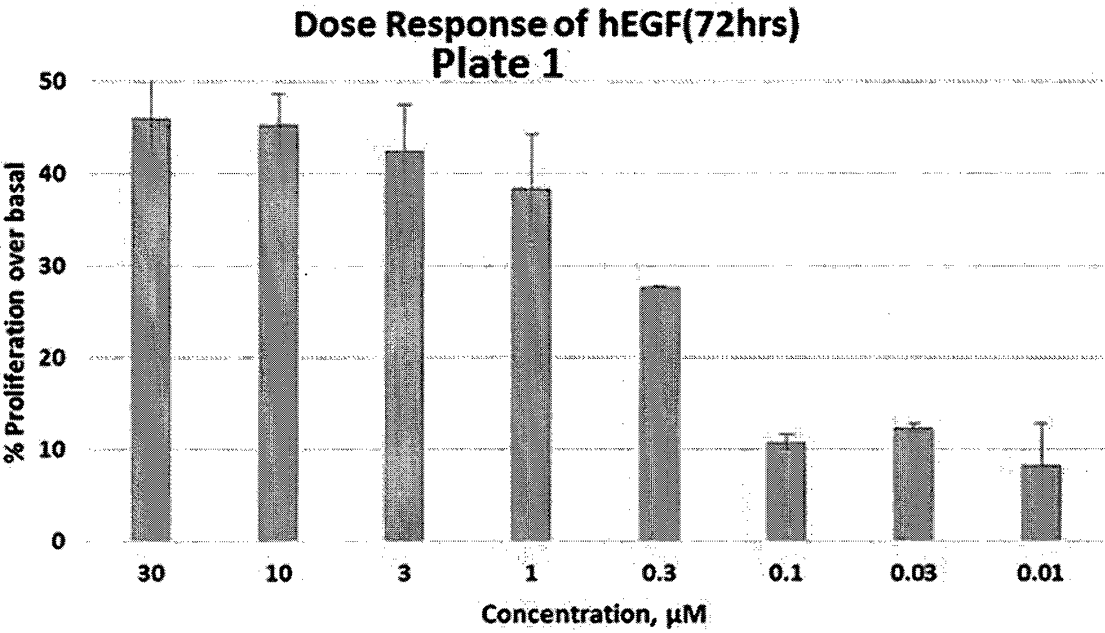
**Dose Response of hEGF(48hrs)
Plate 1**

도 149

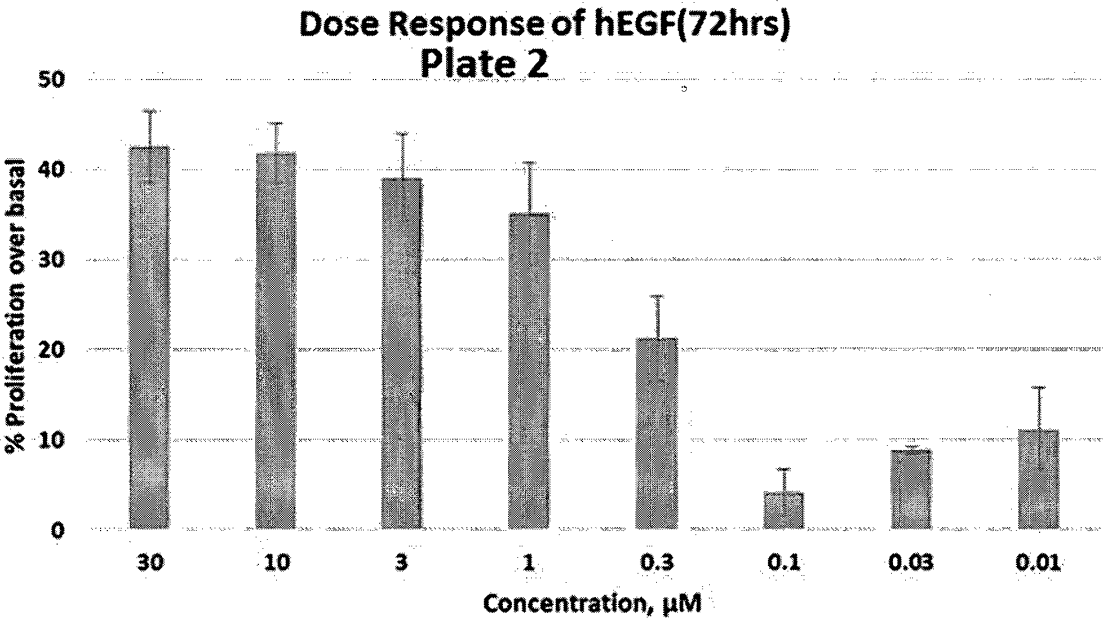
**Dose Response of hEGF(48hrs)
Plate 2**

± 150 **Dose Response of hEGF(48hrs)****Plate 3** ± 151 **Dose Response of hEGF(48hrs)****Plate 4**

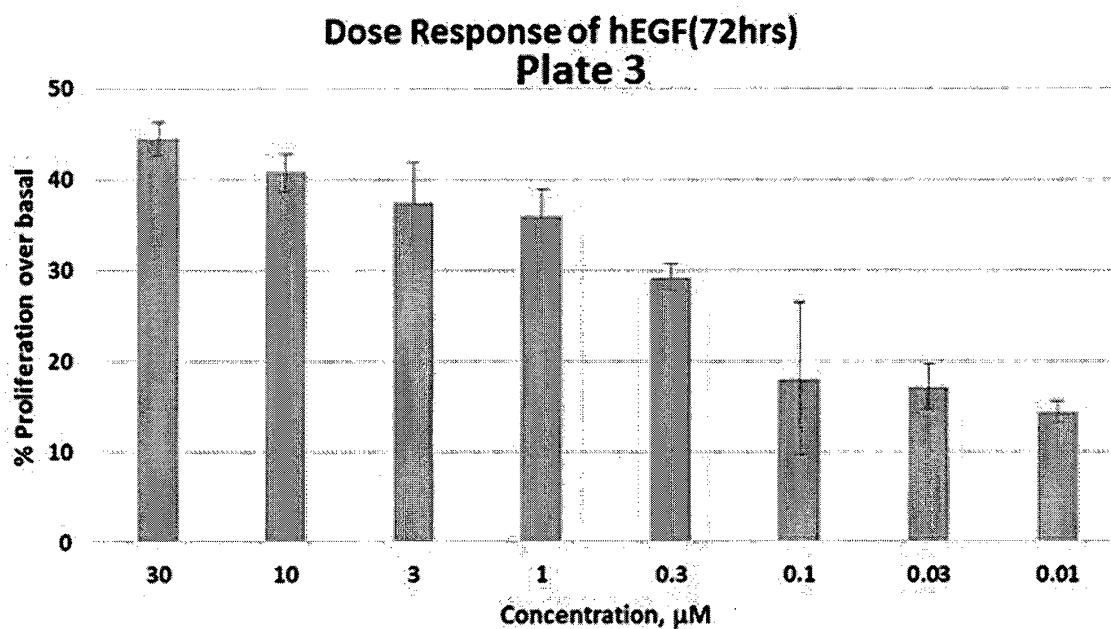
도 152



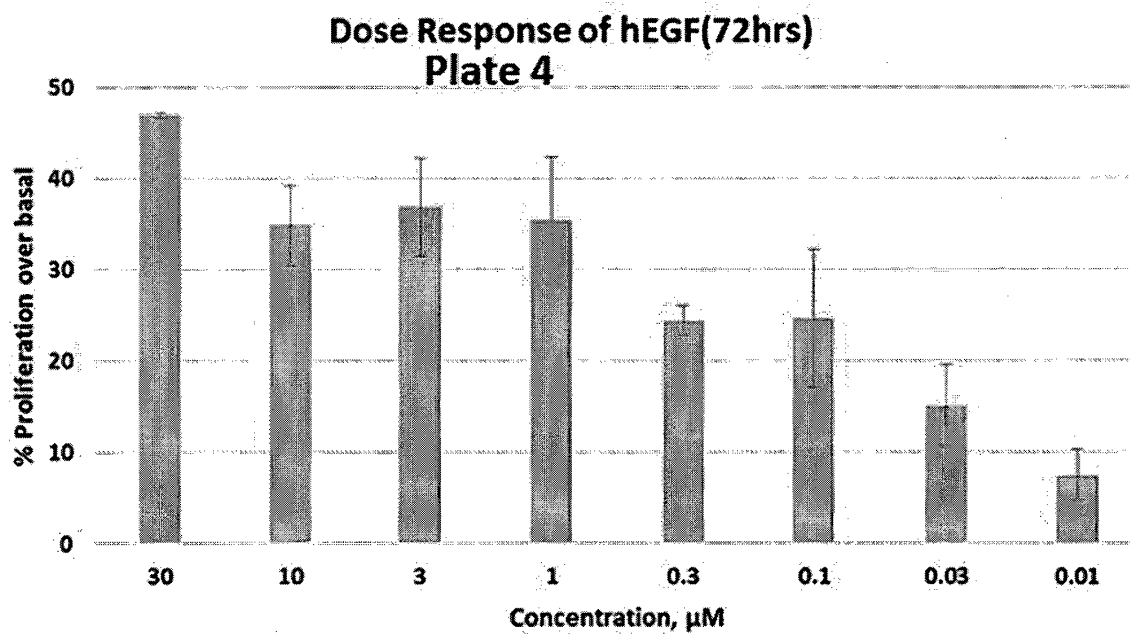
도 153



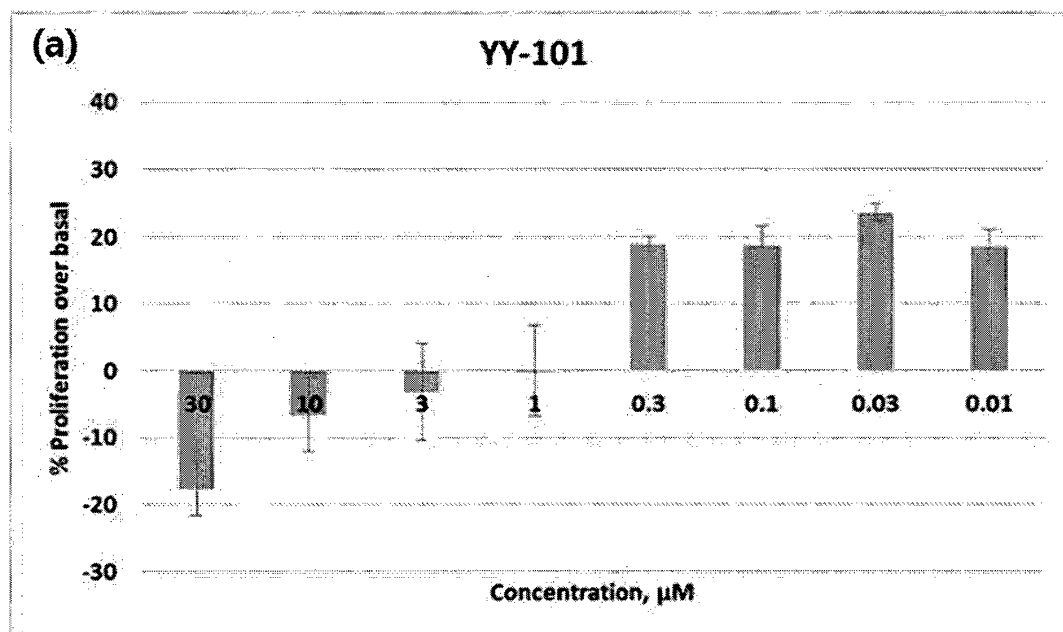
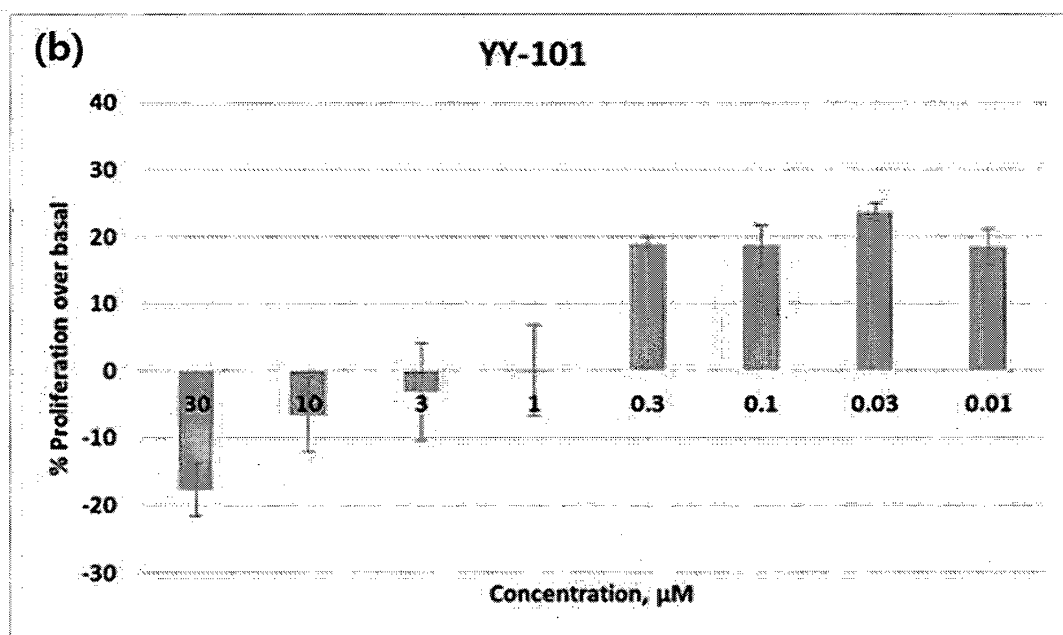
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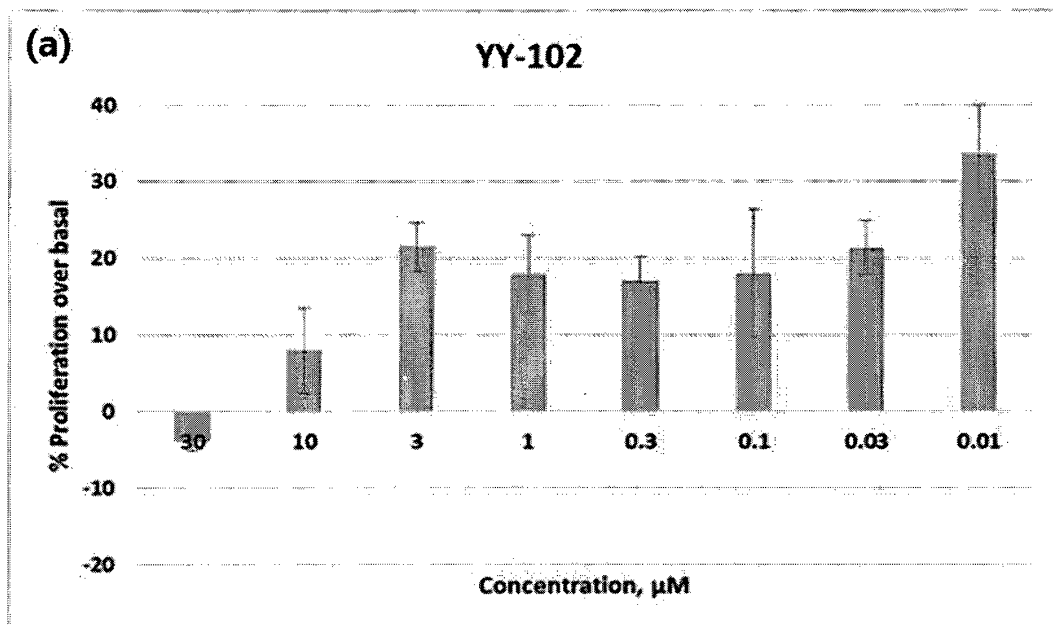
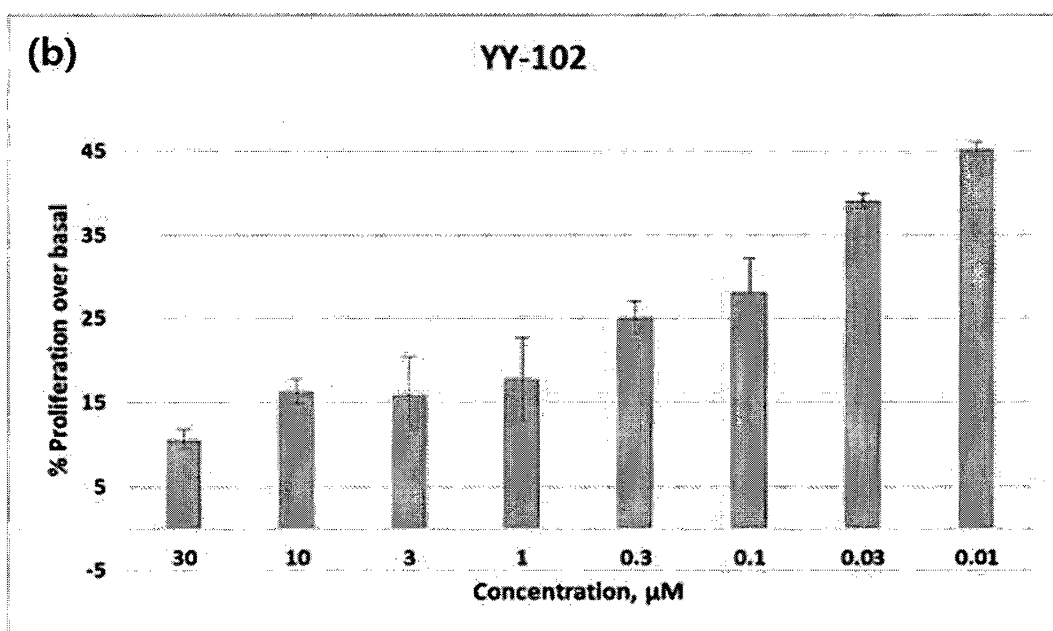
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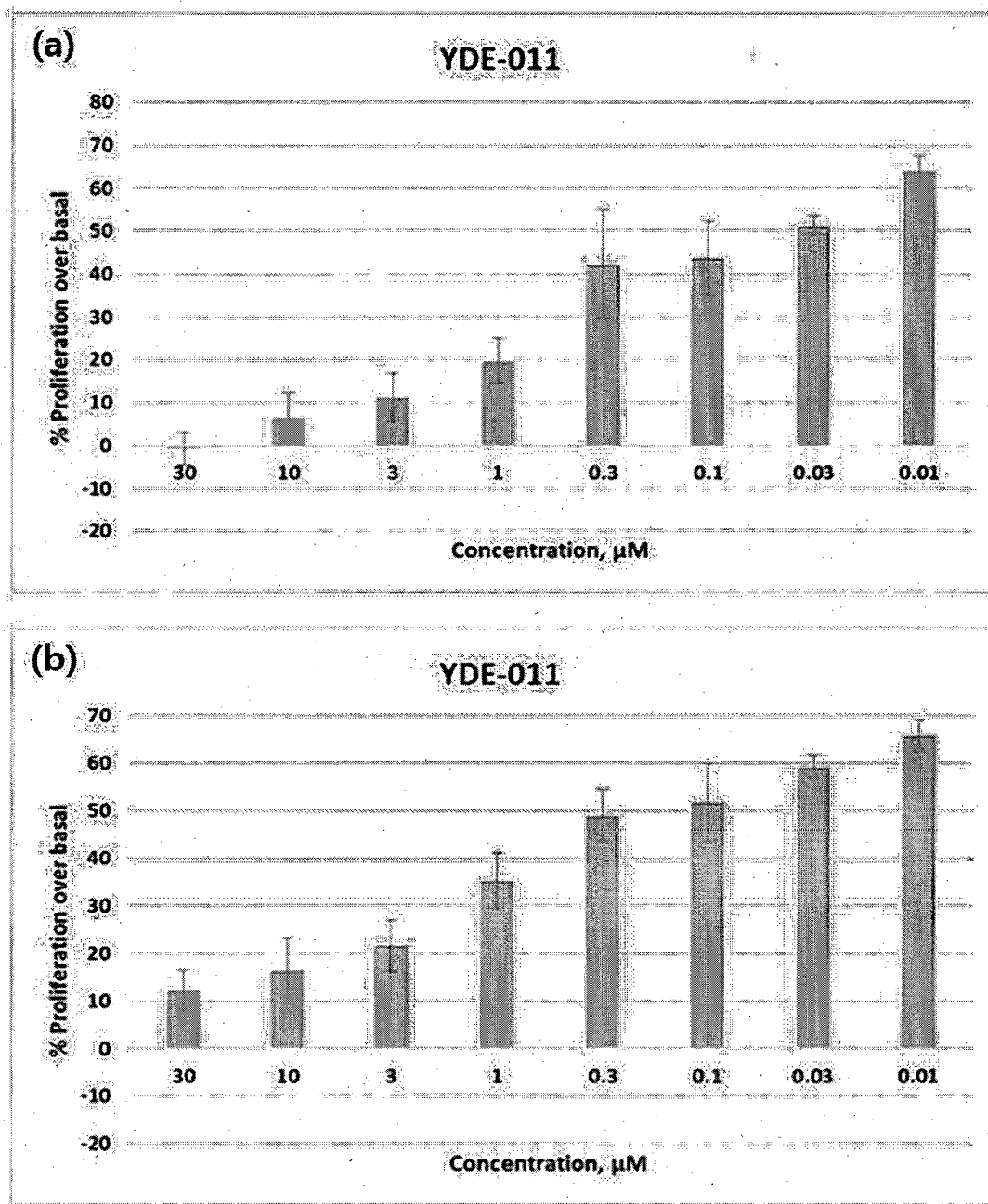
도 156



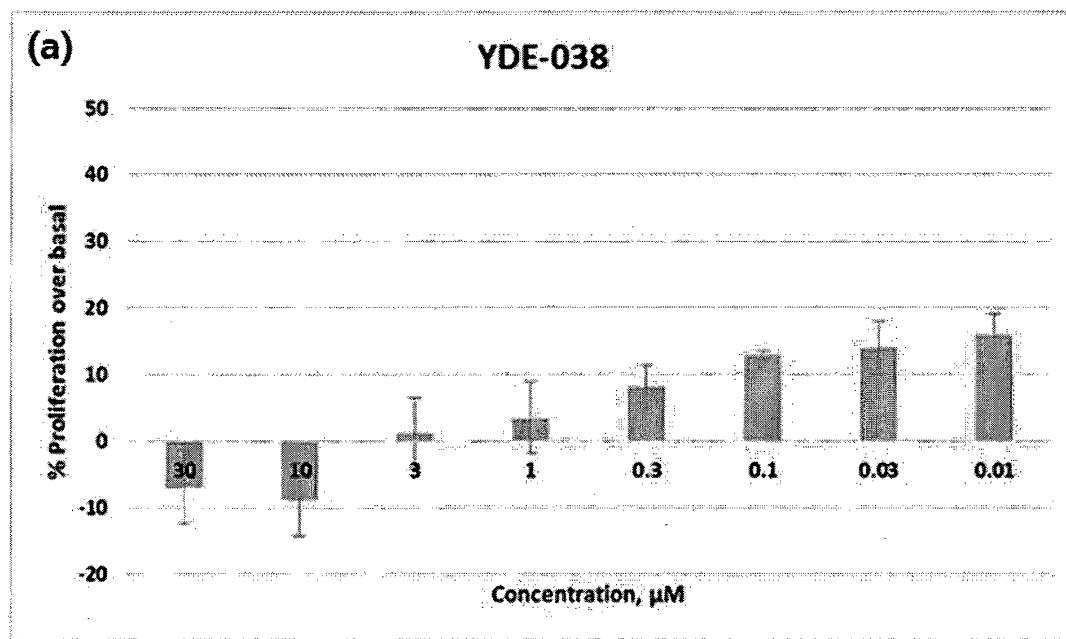
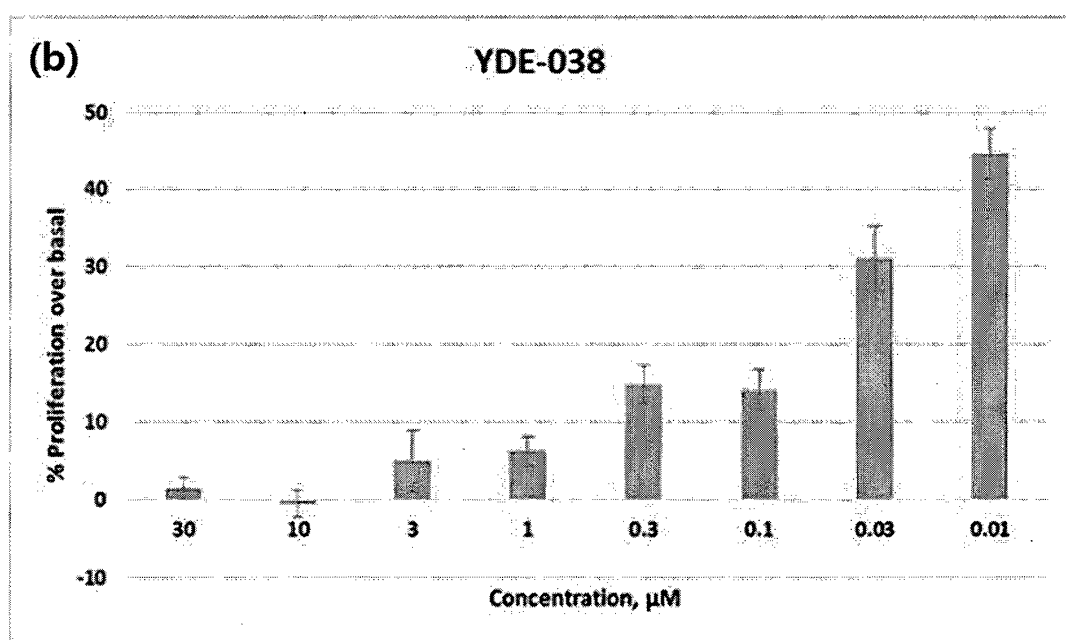
도 157



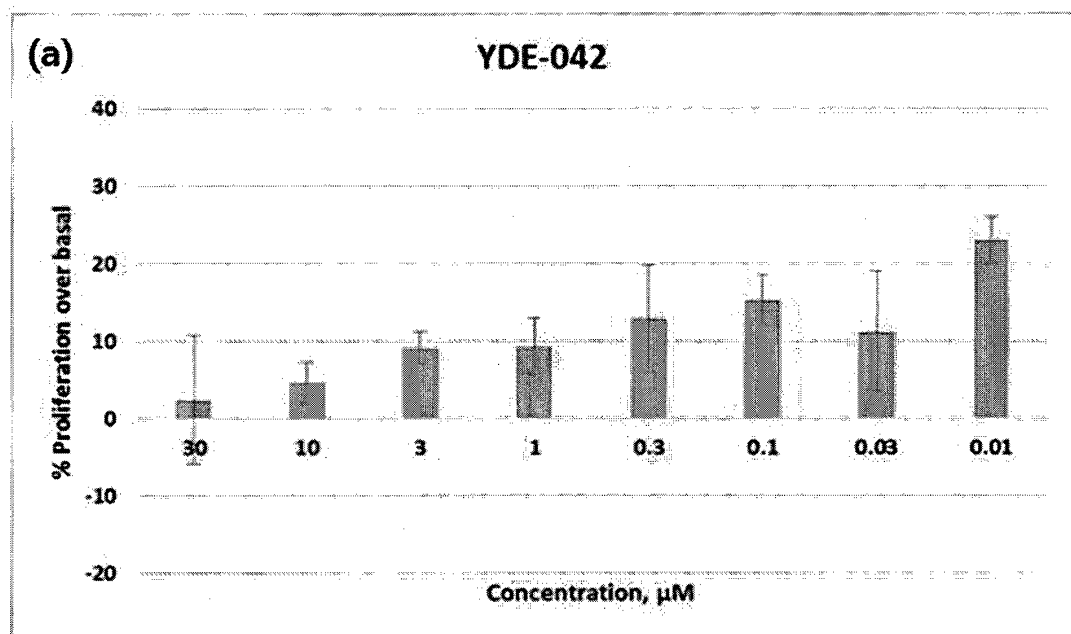
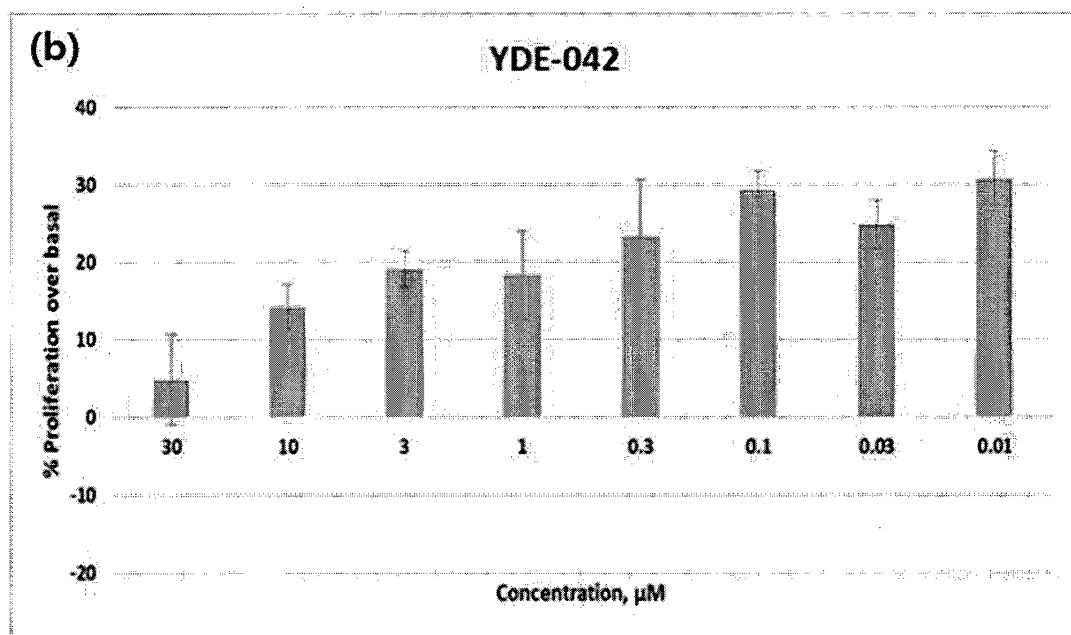
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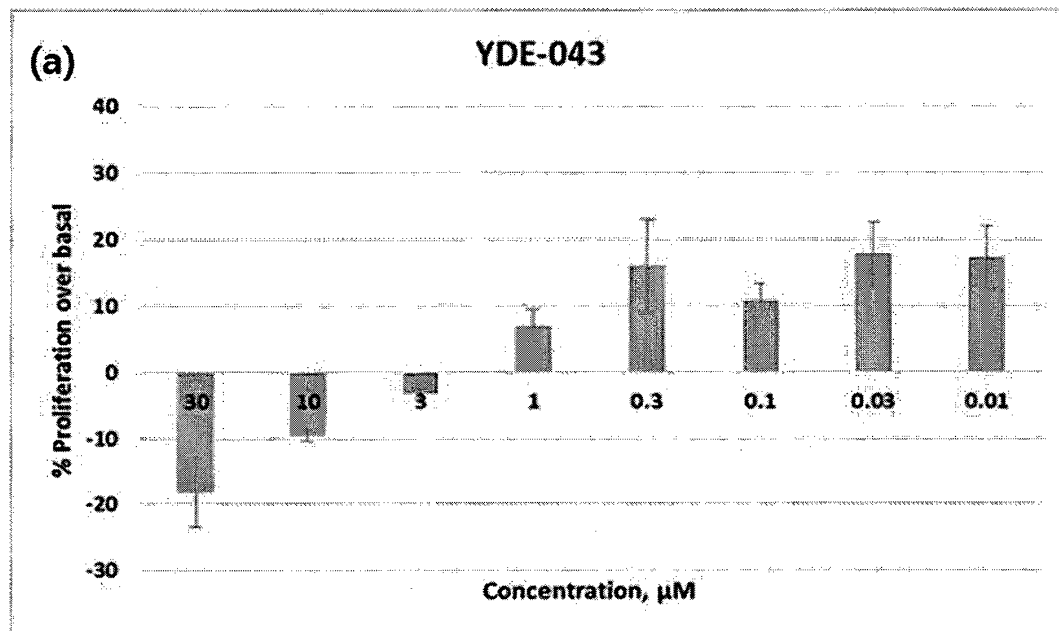
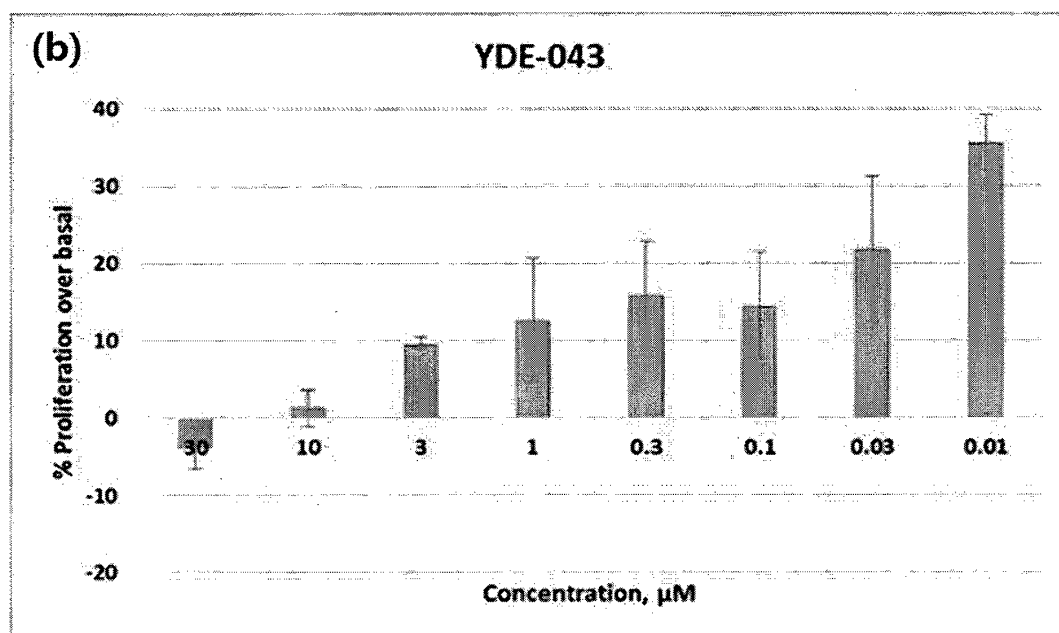
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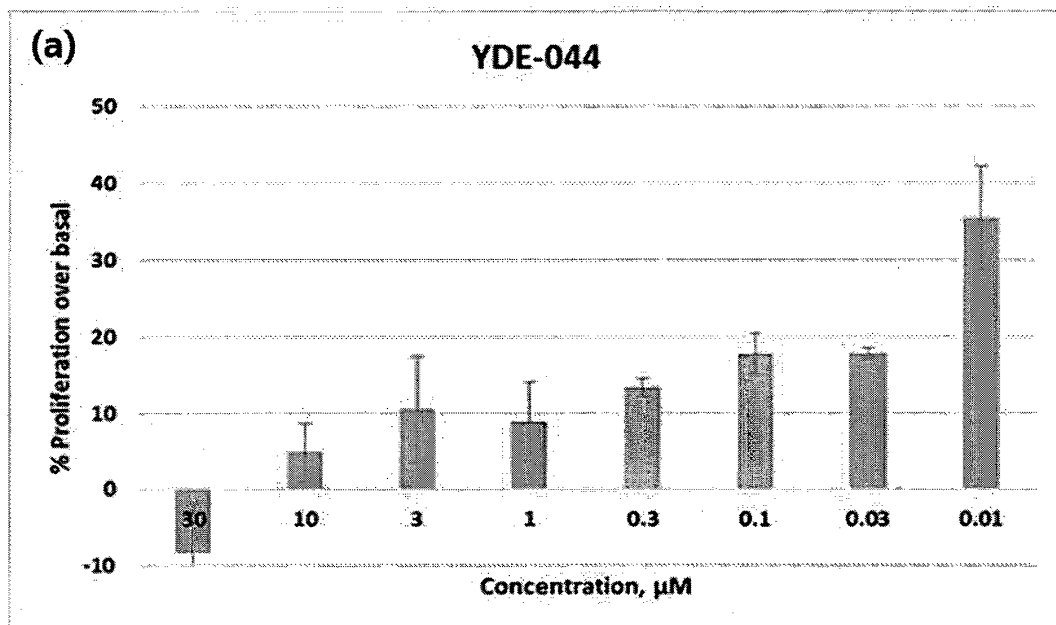
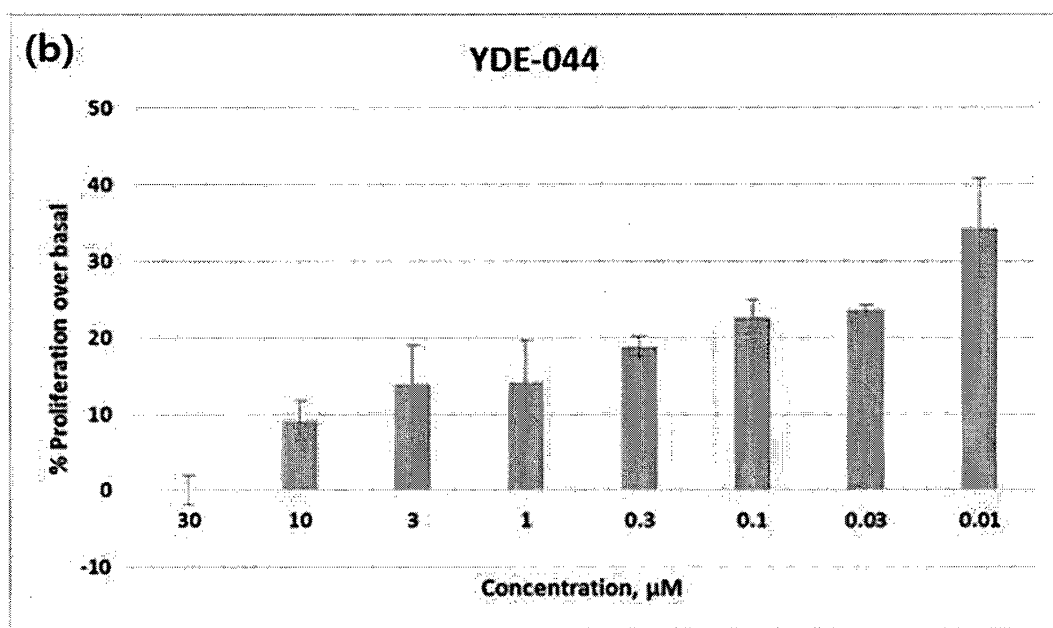
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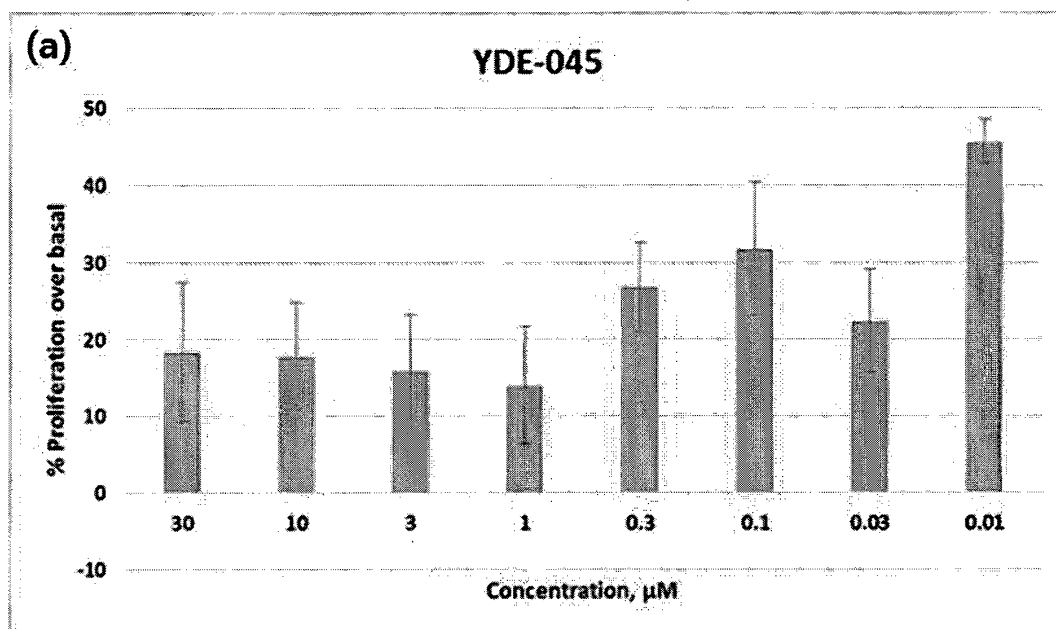
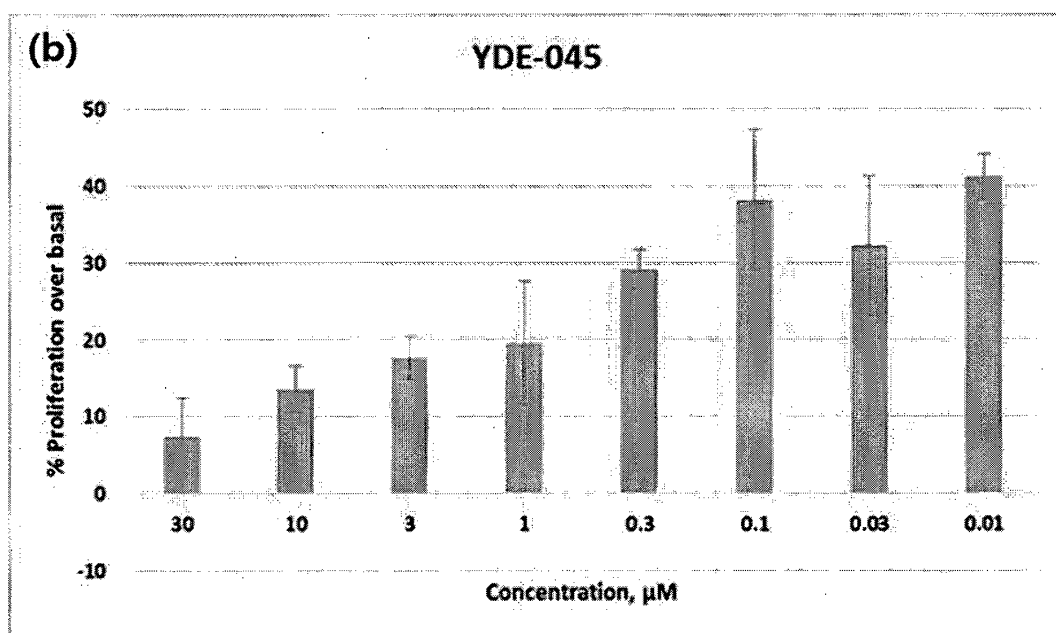
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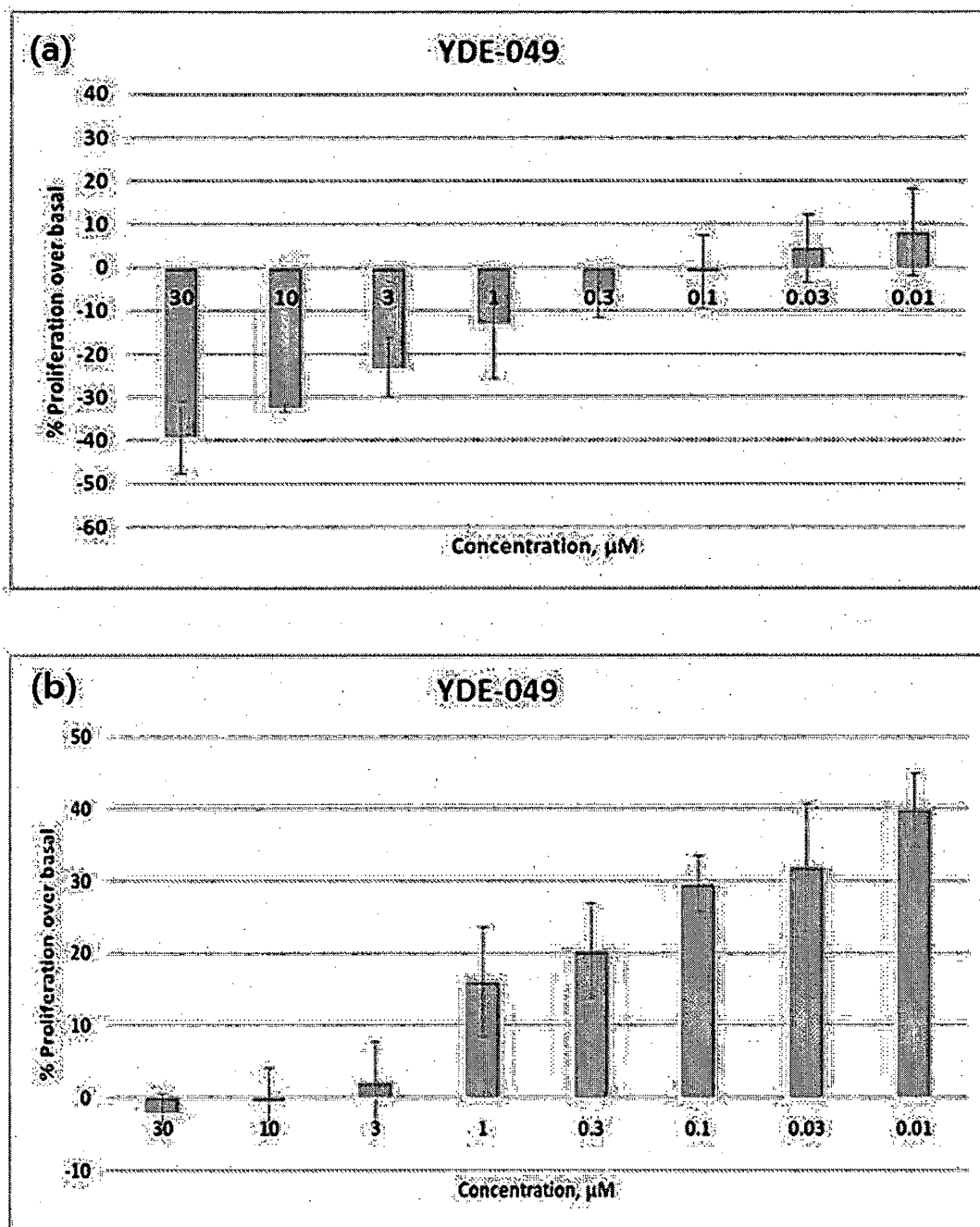
도 162



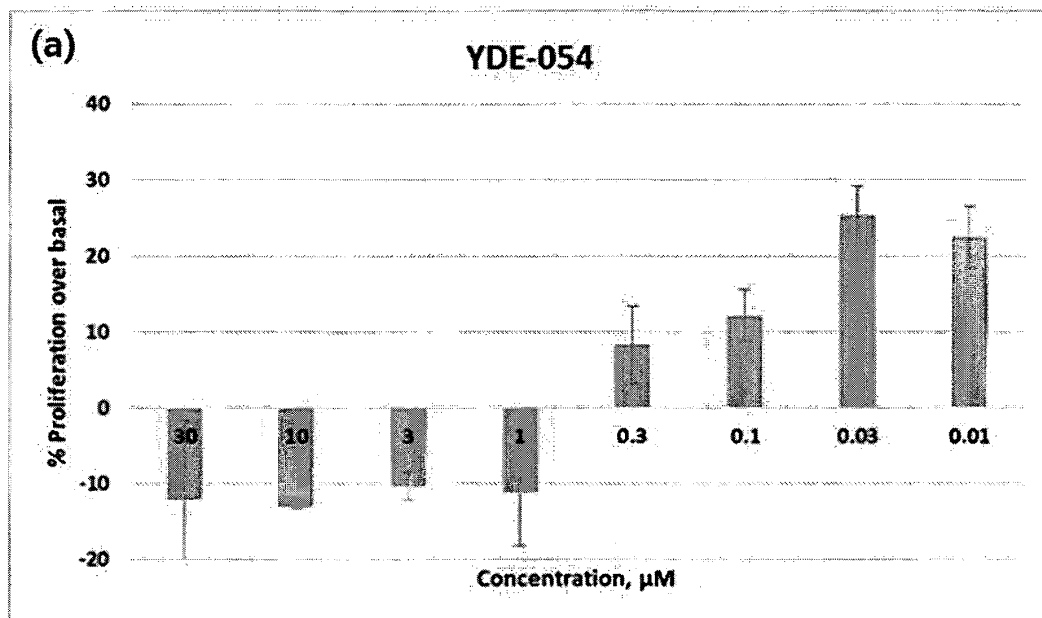
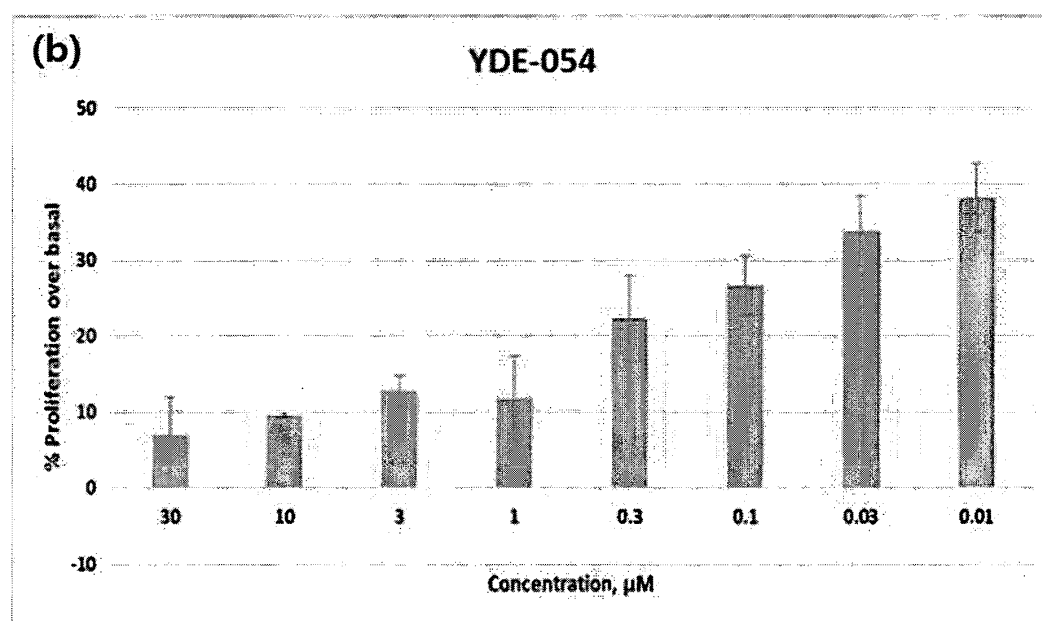
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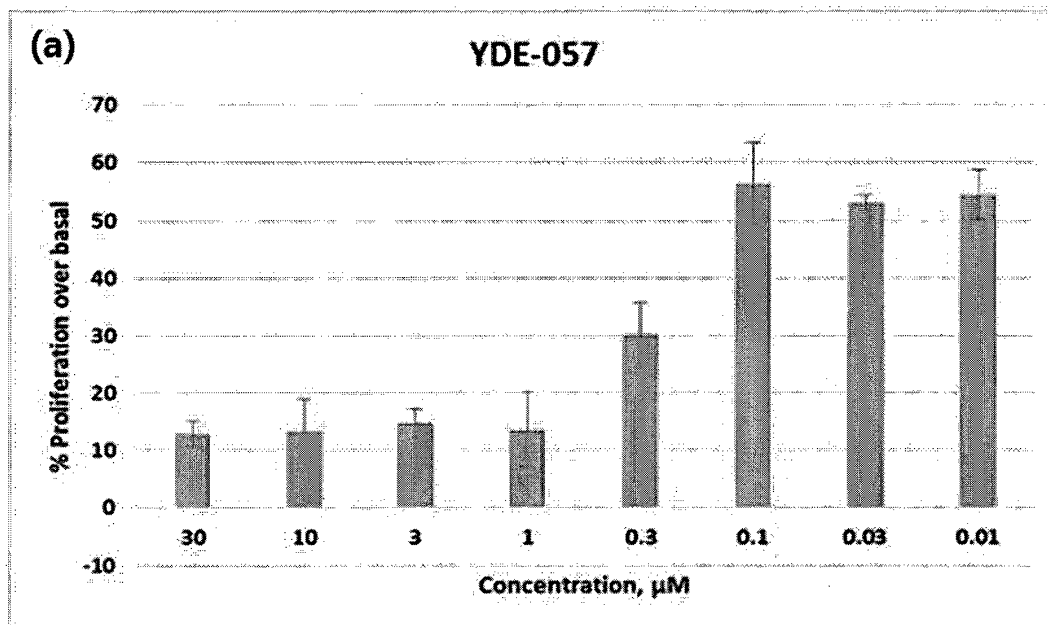
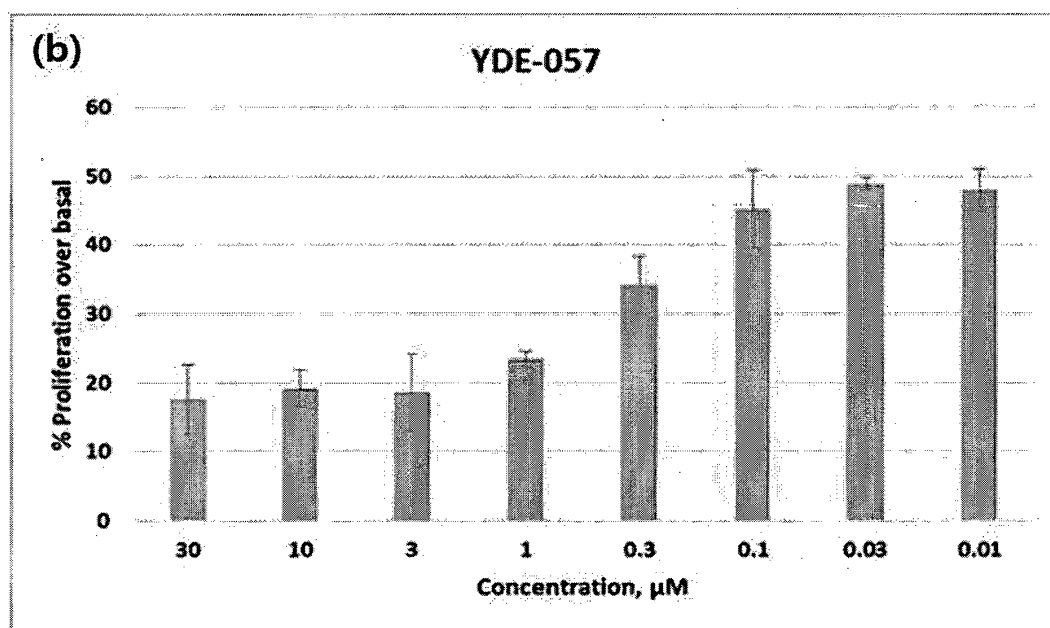
도 164



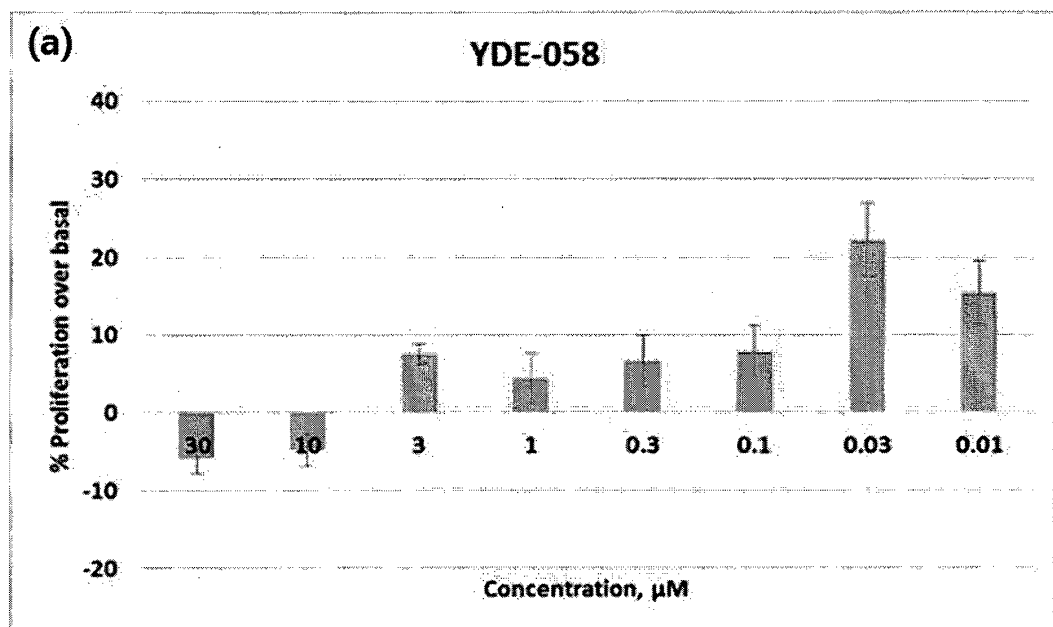
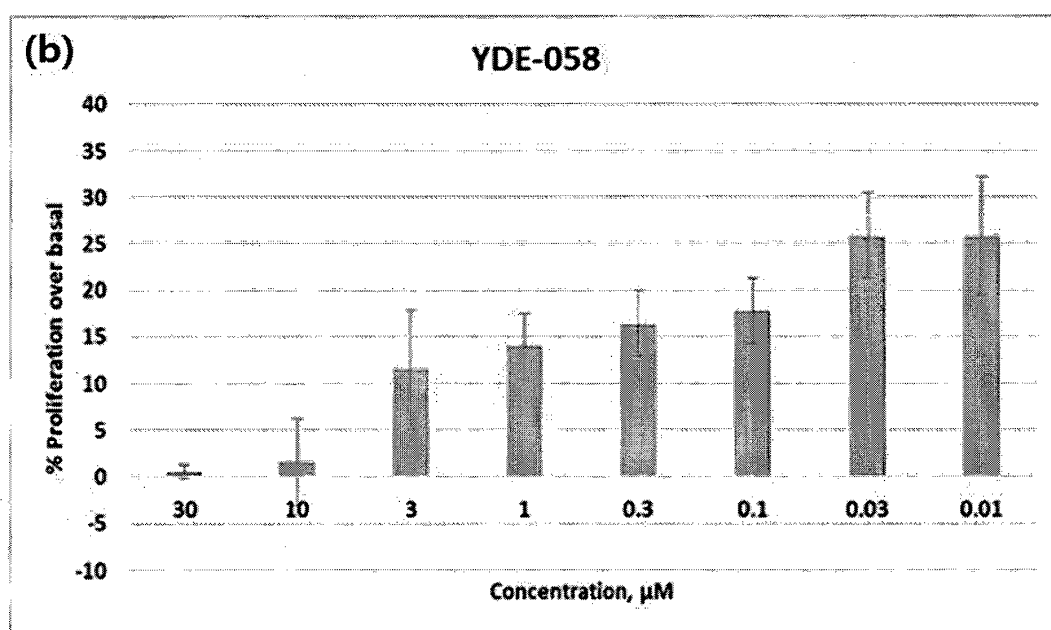
도 165



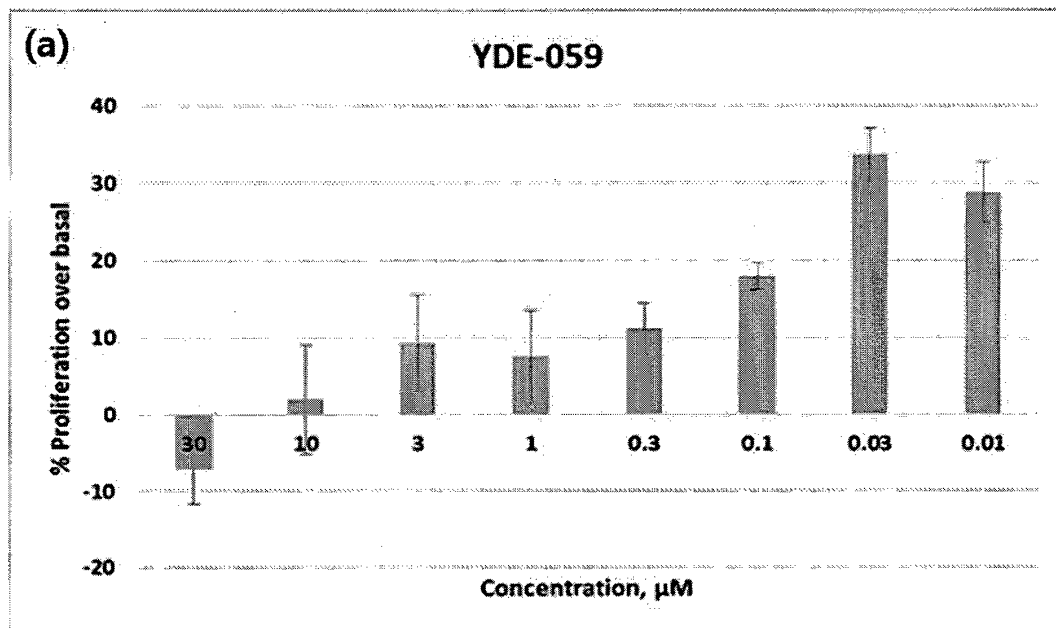
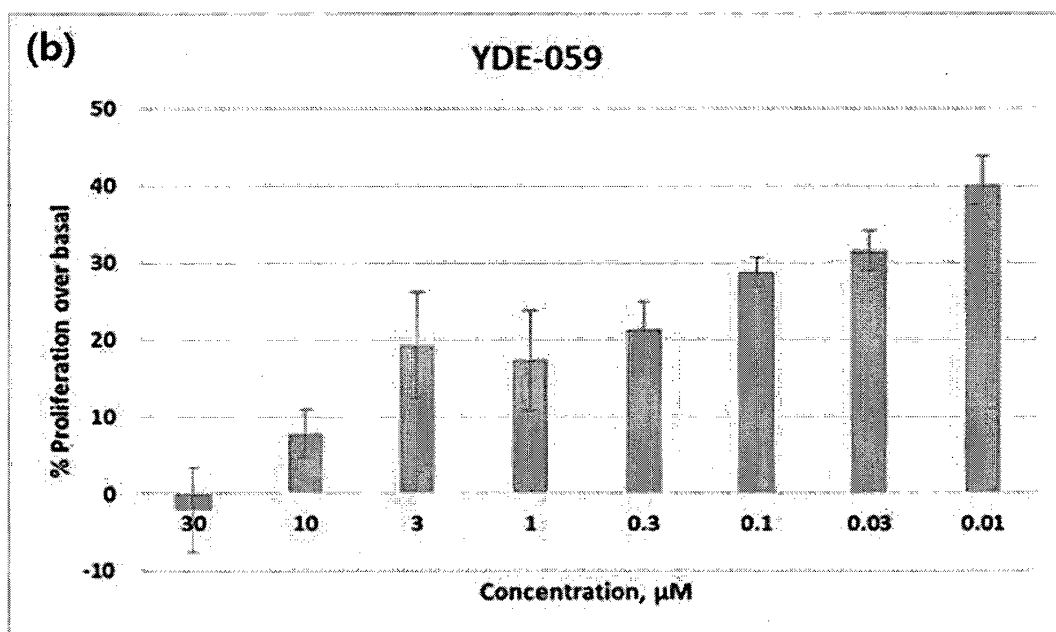
도 166



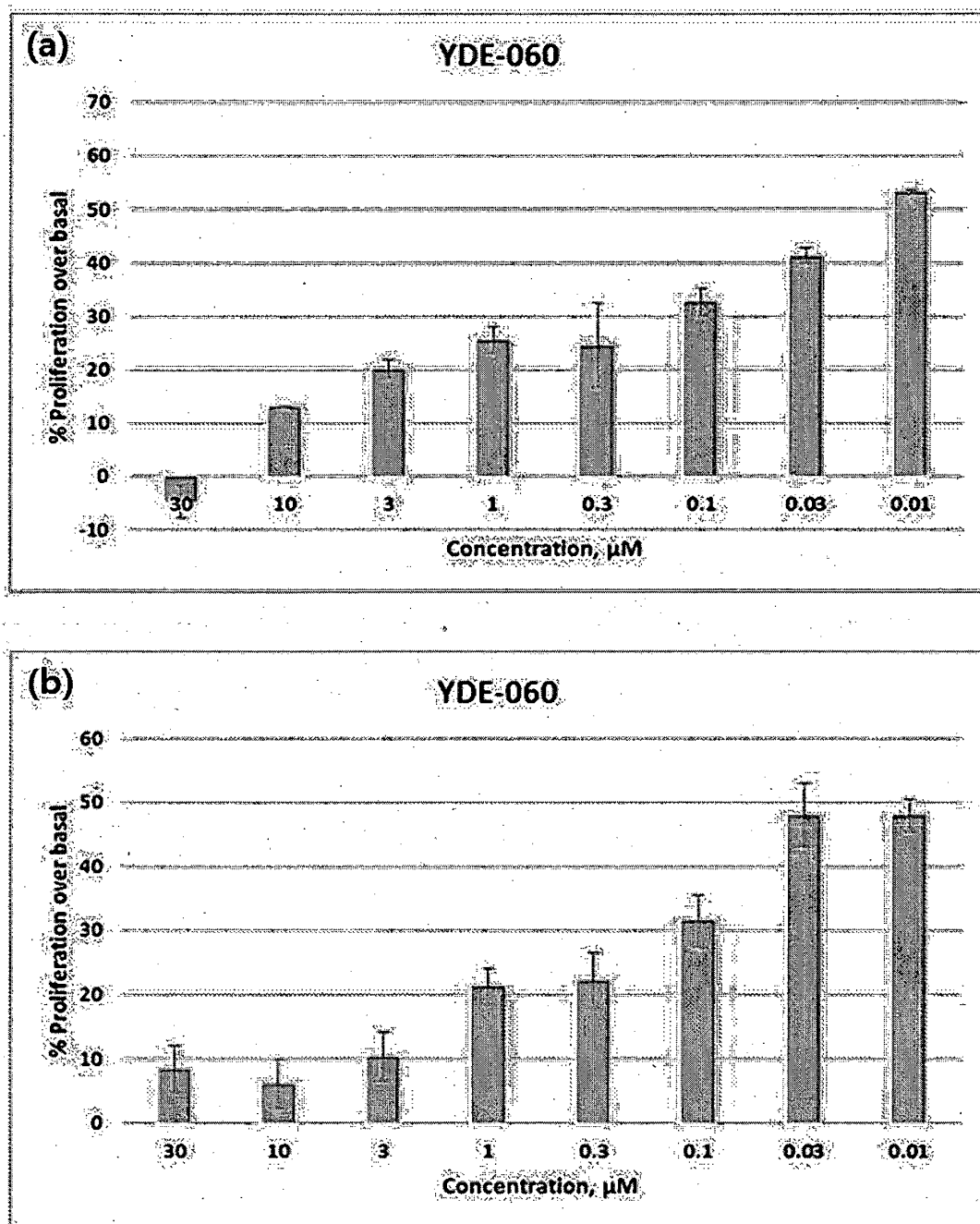
도 167



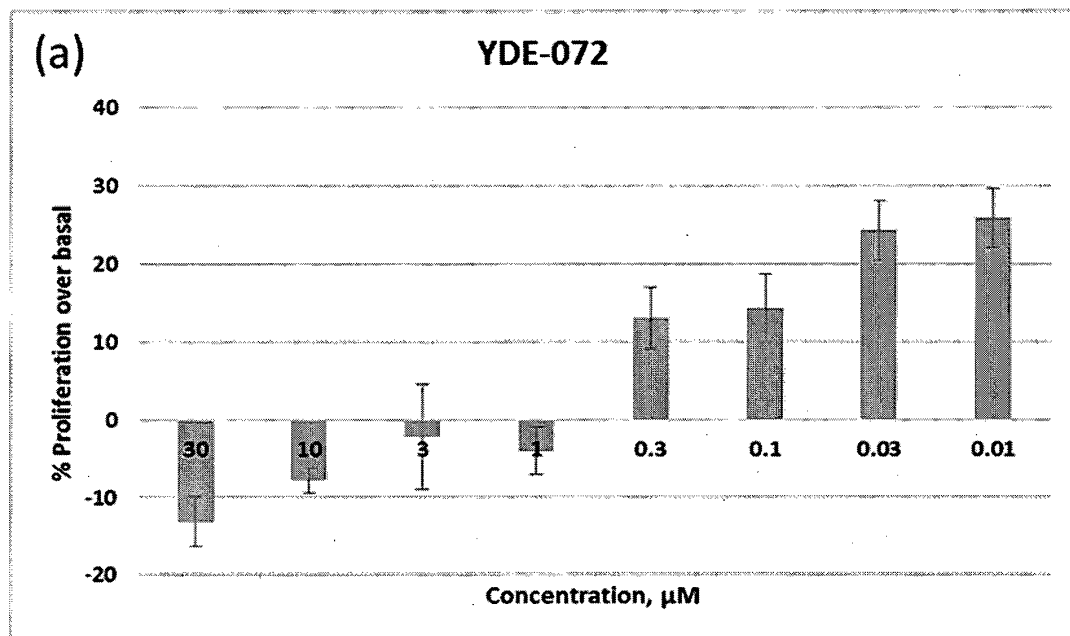
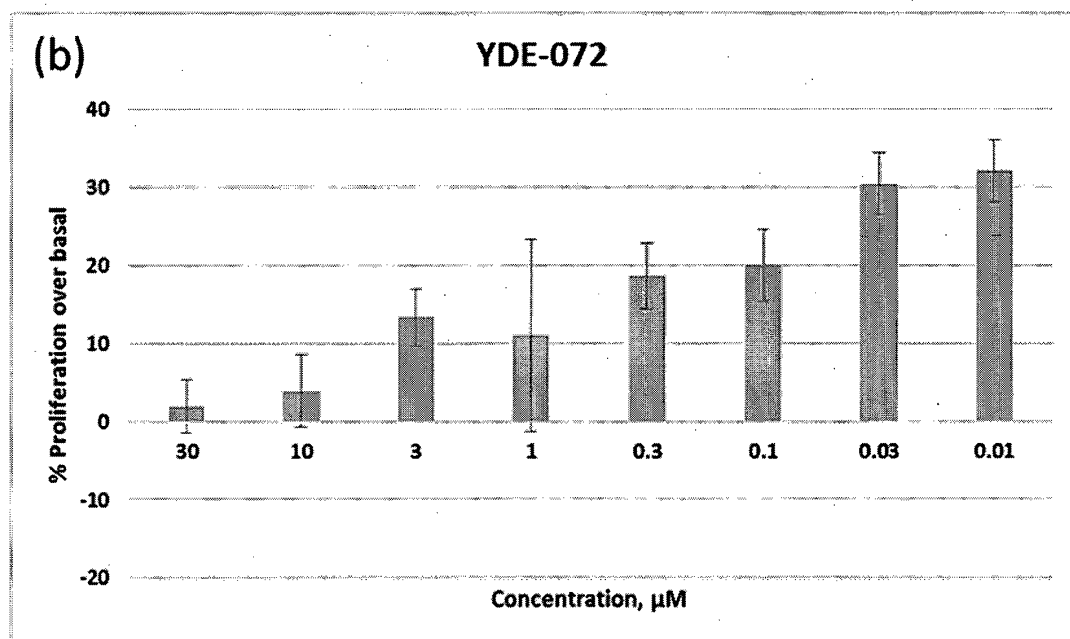
도 168



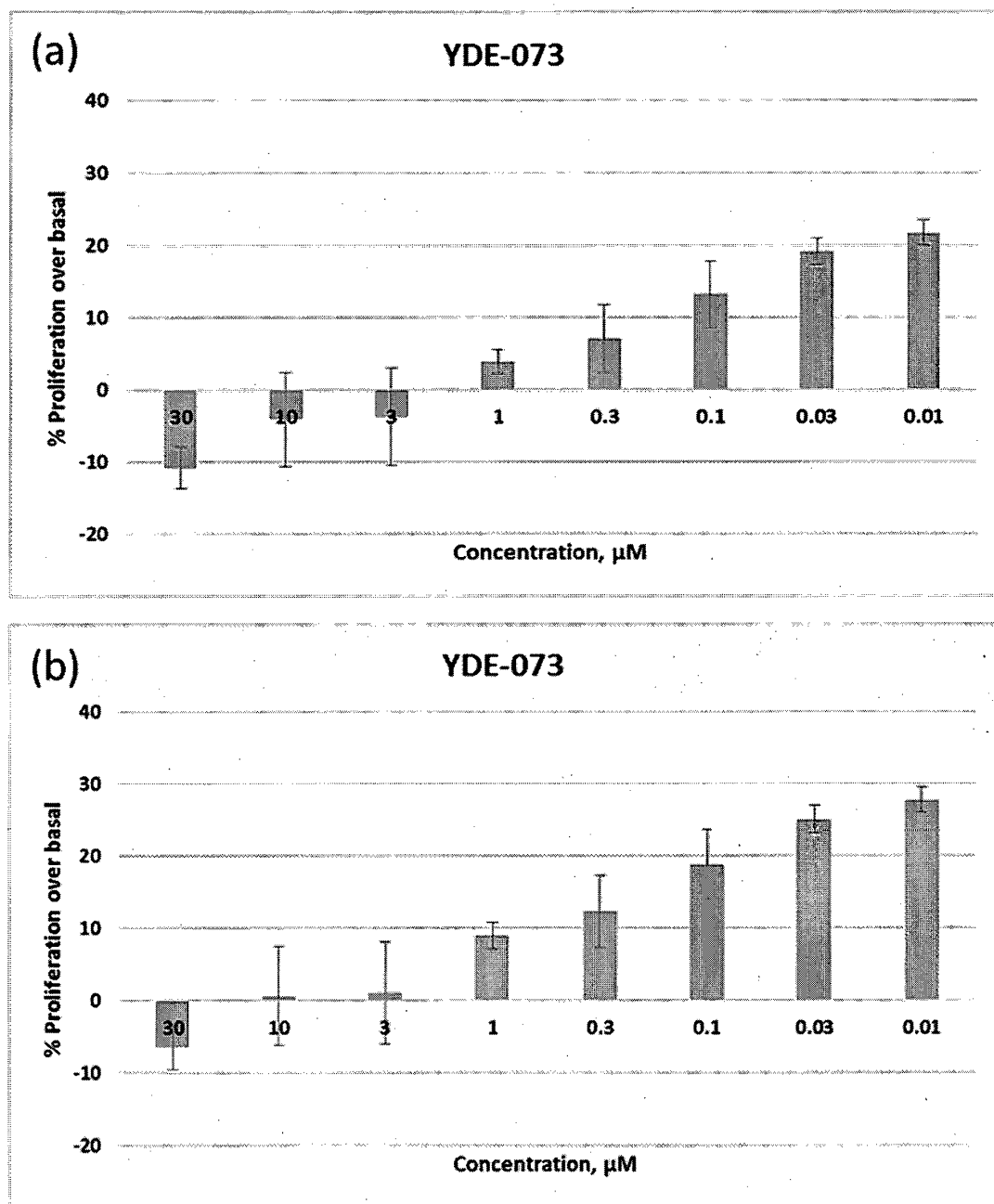
도 169



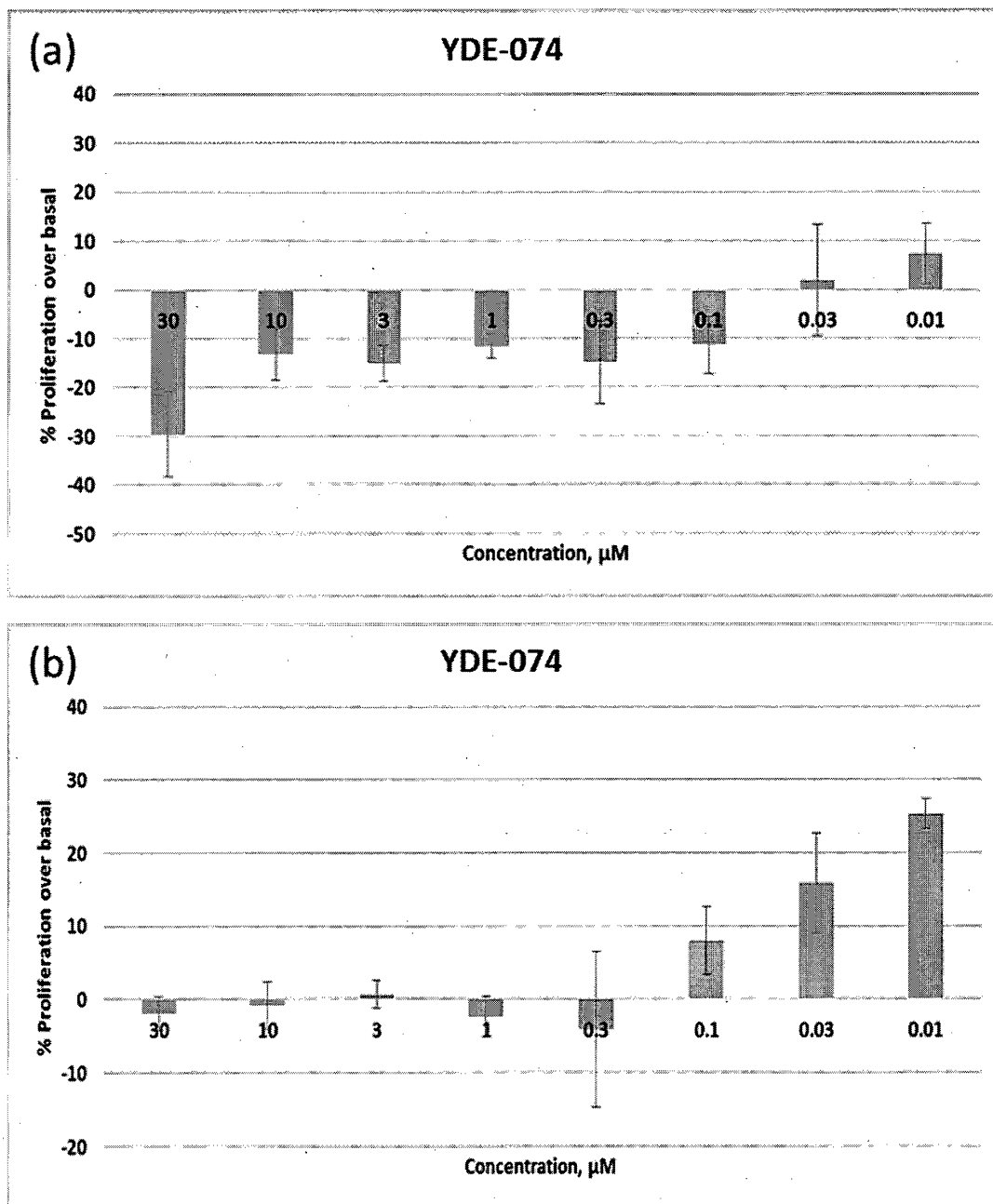
도 170



도 171



도 172



도 173

